

DATE BOOK

1 9 3 8

COUNTING HOUSE

CALENDAR 1938

	Su.	Mo.	Tu.	We.	Th.	Fr.	Sa.		Su.	Mo.	Tu.	We.	Th.	Fr.	Sa.
JAN.	..	..	..	..	..	..	1 1	JULY	..	..	..	..	..	1 182	2 183
	2	3	4	5	6	7	8		3	4	5	6	7	8	9
	9	10	11	12	13	14	15		10	11	12	13	14	15	16
	16	17	18	19	20	21	22		17	18	19	20	21	22	23
	23	24	25	26	27	28	29		24	25	26	27	28	29	30
	30	31	..	..	..	..	..		31	..	..	..	..	..	..
FEB.	..	..	1	2	3	4	5	AUG.	..	1	2	3	4	5	6
	6	7	8	9	10	11	12		7	8	9	10	11	12	13
	13	14	15	16	17	18	19		14	15	16	17	18	19	20
	20	21	22	23	24	25	26		21	22	23	24	25	26	27
	27	28	..	..	..	..	..		28	29	30	31	..	..	..
MAR.	..	..	1	2	3	4	5	SEPT.	..	..	..	..	1	2	3
	6	7	8	9	10	11	12		4	5	6	7	8	9	10
	13	14	15	16	17	18	19		11	12	13	14	15	16	17
	20	21	22	23	24	25	26		18	19	20	21	22	23	24
	27	28	29	30	31	..	..		25	26	27	28	29	30	..
APRIL	..	..	..	..	..	1	2	OCT.	..	..	..	..	..	..	1
	3	4	5	6	7	8	9		2	3	4	5	6	7	8
	10	11	12	13	14	15	16		9	10	11	12	13	14	15
	17	18	19	20	21	22	23		16	17	18	19	20	21	22
	24	25	26	27	28	29	30		23	24	25	26	27	28	29
	..	..	..	..	..	..	..		30	31	..	..	..	..	..
MAY	1	2	3	4	5	6	7	NOV.	..	..	1	2	3	4	5
	8	9	10	11	12	13	14		6	7	8	9	10	11	12
	15	16	17	18	19	20	21		13	14	15	16	17	18	19
	22	23	24	25	26	27	28		20	21	22	23	24	25	26
	29	30	31		27	28	29	30
JUNE	1	2	3	4	DEC.	1	2	3
	5	6	7	8	9	10	11		4	5	6	7	8	9	10
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FROM
L. M. KLAUBER
233 W. JUNIPER ST.
SAN DIEGO, - CALIF.

THE YEAR 1 9 3 8

LmKlauber
233 West Juniper St.
San Diego, Calif



No. 8012

National Blank Book Company
Holyoke, Mass.

MADE IN U. S. A.

THIRTEEN-PERIOD CALENDAR FOR 1938

For a number of years the practice of dividing the year into 13 periods of 4 weeks each has been gaining favor in business. Divided this way, any period is directly comparable to any other period.


The varying number of calendar days, working days, Saturdays, etc., in different months of the ordinary 12 month calendar often distorts seriously such vital statistics of business as sales, costs, production, payrolls, etc. For National Diary users who record such facts on a weekly or four weekly basis, the 1938 Official 13 period calendar is presented by courtesy of the International Fixed Calendar League, Rochester, N. Y.

Month	S	M	T	W	T	F	S	Month	S	M	T	W	T	F	S
Dec. Jan.	1st Period							June	7th Period						
	26	27	28	29	30	31	1		12	13	14	15	16	17	18
	2	3	4	5	6	7	8		19	20	21	22	23	24	25
	9	10	11	12	13	14	15		26	27	28	29	30	1	2
	16	17	18	19	20	21	22		3	4	5	6	7	8	9
Jan. Feb.	2nd Period							July	8th Period						
	23	24	25	26	27	28	29		10	11	12	13	14	15	16
	30	31	1	2	3	4	5		17	18	19	20	21	22	23
	6	7	8	9	10	11	12		24	25	26	27	28	29	30
	13	14	15	16	17	18	19		31	1	2	3	4	5	6
Feb. Mar.	3rd Period							Aug.	9th Period						
	20	21	22	23	24	25	26		7	8	9	10	11	12	13
	27	28	1	2	3	4	5		14	15	16	17	18	19	20
	6	7	8	9	10	11	12		21	22	23	24	25	26	27
	13	14	15	16	17	18	19		28	29	30	31	1	2	3
Mar. April	4th Period							Sept	10th Period						
	20	21	22	23	24	25	26		4	5	6	7	8	9	10
	27	28	29	30	31	1	2		11	12	13	14	15	16	17
	3	4	5	6	7	8	9		18	19	20	21	22	23	24
	10	11	12	13	14	15	16		25	26	27	28	29	30	1
April May	5th Period							Oct.	11th Period						
	17	18	19	20	21	22	23		2	3	4	5	6	7	8
	24	25	26	27	28	29	30		9	10	11	12	13	14	15
	1	2	3	4	5	6	7		16	17	18	19	20	21	22
	8	9	10	11	12	13	14		23	24	25	26	27	28	29
May June	6th Period							Nov	12th Period						
	15	16	17	18	19	20	21		30	31	1	2	3	4	5
	22	23	24	25	26	27	28		6	7	8	9	10	11	12
	29	30	31	1	2	3	4		13	14	15	16	17	18	19
	5	6	7	8	9	10	11		20	21	22	23	24	25	26

13th Period (5 Weeks)

	S	M	T	W	T	F	S
Nov.	27	28	29	30	1	2	3
Dec.	4	5	6	7	8	9	10
	11	12	13	14	15	16	17
	18	19	20	21	22	23	24
	25	26	27	28	29	30	31

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SATURDAY, JANUARY 1, 1938

1st
Day

Happy New Year

364 Days
to come

Got a lot of work done on the annual census today, between calls, etc. Also football.

(May 28th Continued)

Hunted at 2 points near Paradise Camp, Mono Co (foot of Sherwin Grade) and got skellies, utas and a collared lizard in brush and rocks.

There were no DOR snakes around Bishop as there were last summer. We reached Bishop in the early afternoon but found the auto camps already filled because of the fishing crowd and decided to go on south which was probably wise as the season was evidently delayed and it was too cold to expect snakes out at night.

We drove back up the road toward Laws and beyond for a couple of miles and rested awhile. It seems to be possible sidewinder territory beyond the irrigated section and I see no real reason to doubt the MVZ record. The flat is fairly sandy and there is an occasional hummock. We pickled all specimens taken thus far from 5 until 6 and got everything in good shape. Turned back 11 mi. N. of Bishop. It was now 6 P.M. and getting windy.
(Continued on Jan 2)

SUNDAY, JANUARY 2, 1938

2nd
Day

2nd Sunday after Christmas

363 Days
to come

Phil left this morning at 8¹⁵
✓ Chapman Grant called this afternoon
to discuss his new Jamaica Celestus
Also Bob Hoard his proposed MA study
of rattlesnake breeding.

Spent the morning in the census
and finished the 1937 tabulation both
by months and by zones.

✓ Chas. Shaw called up and said he
caught a small nikes today, and many
x *henshawii*

(May 28 Cent. from Jan. 1)

There were no Joshua Trees on the mountain
sides that we could see hereabouts so no
reason to expect *Xantusia viridis* so far north.

We passed Bishop south bound at 6¹⁰, 69° F
1 Red Racer L DOR 3 mi. S. of Bishop. Grass.

1 " " " " 4 " " " " Grass-brush.

1 " " " " Keough Hot Springs, Inyo Co, brush

1 " " L " " " " " " "

Big Pine at 6³⁵ 72°

1 Gopher M DOR Aberdeen, Inyo Co, grass brush,
1 Red Racer M DOR " " " " Brush.

Independence at 7¹⁵

Home Pine at 7⁴⁵, 72° Almost dark.

1 Longnose L COR Cartago, Inyo Co, 71° Brush

Quite dark. 8¹⁰

(Continued on Jan. 3^d)

MONDAY, JANUARY 3, 1938

3rd
Day

362 Days
to come

8 Cards received today.

Worked on the census tonight

(May 28 Cont. from Jan. 2)

1 Boyles King L COR, Castago, Inyo Co,
8¹⁵, 70°F

Olancho reached at 8⁵⁰

1 Arizona M DOR Haiwee, Inyo Co

1 Gopher L DOR Dunsmuir, Inyo Co

1 Arizona M DOR Cross Junction, Inyo Co

(Contained a mouse)

1 Arizona M DOR Cross Junction, Inyo Co

Little lake at 9⁰¹ ~~69~~ 71°F

1 Longnose COR Narka, Inyo Co, 9¹⁵, 70°F

1 Gopher DOR Narka, Inyo Co, Saved.

Strong wind now blowing.

1 Sidewinder L DOR Linnie, Inyo Co

1 Sonora L DOR Brown, Kern Co, Saved.

1 Arizona L DOR " " " " Squirmy

Strong wind - no moon 71°

1 Sonora L DOR Brown, Kern Co.

1 Sidewinder L COR, Brown Kern Co 9⁴⁵, 69°F

1 " DOR, Heliter, Kern Co

hwykern at 10¹⁰, 69°F, Windy.

1 Gopher M DOR, Terese, Kern Co

1 Leafnose L, DOR, Terese, Kern Co. as large
as any around Borego.

1 Arizona COR, Pearles Station, Kern Co

(Continued on Jan. 4)

TUESDAY, JANUARY 4, 1938

4th
Day

361 Days
to come

5 cards and 1 questionnaire received today.

(May 28th Cont. from Jan. 3^d)

Thought this one had been run over, but evidently not as he lived. $104\frac{5}{6}$ 60°F

1 Red Racer L DOR Atolia low brush

San Bernardino Co. (These ecological notes were secured next day by going back on the same road).

1 Gopher L DOR 8 mi. N. of Kramer, S.B. Co
Greasewood brush.

1 Longnose DOR Kramer. Brushy desert.

1 Gopher L DOR Hawes, S.B. Co.,
Brushy desert. Saved.

1 Arizona Small DOR Mace, S.B. Co., Brushy
desert.

1 Platyrhinos DOR Mace, S.B. Co. Brushy
desert.

Reached Barstow at 12³⁰. Cold and windy 67° .
All auto camps filled. Finally put up
at the Beacon Inn and pickled specimens
until after 1 AM. Pretty tired.

This night started out fairly well
but proved poor toward the end because of
the rapidly falling temperature (considerably
below that at Barstow in most parts) Traveled
fast toward the last as it was so
(Continued on Jan 5)

WEDNESDAY, JANUARY 5, 1938

5th
Day

360 Days
to come

No cards returned today.

Jim Devel worked today.

Movie tonight - Thursday Jan 6 by error.

7 Cards returned today.

The Bonora and Growth Papers
sent out to my mailing list today.

(Maying Cont from Jan 4)

late and we were very tired.

Miles today 425. Miles after
dark - evening desert drive 160.

A fairly good day but the weather
too cool and unsettled.

THURSDAY, JANUARY 6, 1938

6th
Day

Feast of the Epiphany

359 Days
to come

7 Cards returned today

(May 49 Continued)

1 Cally, 2 whips collected 6 mi SW of Spangler, S.B. Co.

Looks good here for night collecting. Cally seen, also leopard 6 mi. NW of Spangler. Collected near here and got a chuck, utas, magister etc. This was fine rocky country

Cally seen 6 mi. SW of Westend, S.B. Co

Also dips here. It is a sandy desert.

Saw chucks and callys in Porson Canyon.

S.W. of Westend. There are sand dunes near here which look good

Went a little north of the big potash plant at Trona and then turned back. It was quite warm. All of this road looks good, and probably the road to Bullaquit and Death Valley is OK. It is oiled at the start.

Cally seen at Trona

Cally and uta collected 4 mi SW of Westend, S.B. Co.

1 Spotted nite BOR L 9 mi. SW of Westend.

Brushy desert - no rocks! Also cally collected here.

Uta collected 10 mi. S.W. of Westend.

(Continued on Jan 7th)

FRIDAY, JANUARY 7, 1938

7th
Day

358 Days
to come

2 Cards returned today.

Jim and Chas. worked today

(May 29th Continued from Jan 6th)

Hunted in rocks 6 mi. W. of Spangler at
sundown and got a mayates. ate supper here.

1 Sonora COR, lava mts, 9 mi. N. of
Red Mountain, not quite dark, under
Joshua Tree with brush about.
Breezy. 72° ; 76° F.

1 Gopher DOR 6 mi. N. of Red Mountain
Saved head. Contained a young ground
squirrel.

1 Gopher S. COR 6 mi. N. of Red Mountain
 74° ; 77° F Almost dark.

1 Arizona COR 4 mi. N. of Red Mountain
 75° , 78° F Slight breeze; high brush.

1 Leopard lizard DOR 3 mi. N. of Red Mountain.

1 Gopher S. DOR 2 mi. N. of Red Mountain, saved

1 Sonora L DOR Red Mountain, saved.

1 Cally DOR 3 mi. S. of Atolia.

1 Sidewinder COR 3 mi S. of Atolia. 83° , 73° F.
Quite dark. Slight breeze.

1 Longnose COR 4 mi. S. of Atolia 83° , 70° F

1 Sonora DOR Fremont, saved

1 " " " "

1 " " " "

1 Longnose " " "

(Continued on Jan 8)

SATURDAY, JANUARY 8, 1938

8th
Day

Battle of New Orleans 1815

357 Days
to come

Spent the day on the Annual audit
for income tax; also cleaned up the
Outdoor life's purchased last February.
Bad cold and feeling too rotten to do
anything else.

Shaw worked today

3 cards and a questionnaire received.

(May 29 Continued from Jan 7)

1 Platyrhinus DOR Penshaw, S.B.Co
1 longnose COR Kramer, S.B.Co, 9²⁵ P.M.
66° No wind; no moon.

1 Leopard lizard DOR Kramer.

1 Arizona DOR (Squirmying) Kramer Hills
Saved 61°F

1 leafnose DOR (Squirmying) ~~11~~ 11 mi. N. of
Adelanto. Saved.

1 Colonyx COR 10 mi. N. of Adelanto.
9²⁰ P.M. 64°F

1 Platyrhinus DOR 10 mi. S. of Kramer

1 leopard lizard DOR 9 mi. N. of Adelanto

1 Sonora L DOR 9 mi. N. of Adelanto, Saved

1 Arizona " 8 " " " " "
(Squirmying but died)

1 Sonora DOR 8 mi N. of Adelanto, Saved.

1 Sidewinder L DOR 6 " " " "
10⁴⁰ P.M. 62°F

1 Longnose L DOR 5 mi N. of Adelanto, Saved
(Continued ~ Jan 9)

SUNDAY, JANUARY 9, 1938

9th
Day

1st Sunday after Epiphany

356 Days
to come

Feeling too lousy from a cold to do constructive work today. Finished the old Outdoor Hikes. Then spent the rest of the day and evening mapping Game Warden rattler records and made some progress. Sent out 7 cards for more data to

J. L. Downs, Douglas, Wyo

J. W. Drommond, Wray, Colo

Joe Garner, Shoshone, Idaho

✗ Frank Starina, Hardin, Mont

✗ A. A. O'Claire, Kalispel, Mont

A. J. Bigelow, Thermopolis, Wyo

✗ Glen Shaffer, Dubois, Wyo

(May 29 Continued from Jan 8)

1 Sonora L DOR 3 mi. N. of Adelanto, Calif.

10⁵⁰ 60°.

It was now so cold and late we drove fast. First went to Victorville but couldn't get a room. Then to San Bernardino and failed again at the big auto courts. Finally put up at Colton. Put up snakes until 1 AM.

This night was a fine proof that snakes come out when the temperature is OK but go in again when it turns cold; shown by the large number of fresh DORs on a lightly travelled road. I got them alive early in
(Continued on Jan 10th)

MONDAY, JANUARY 10, 1938

10th
Day

355 Days
to come

8 Cards returned today
Shew and Deuel worked this afternoon
Bad cold today

(May 29 Continued from Jan 9)
the evening when it was warmer,
but failed to get any live ones later.
But the few other cars had run over
many while they were still out.

Reached Colton plenty tired at 12²⁰.
Miles today 238. Miles of evening
desert drive 78.

A very satisfactory day from
the standpoint of snakes collected,
and new territory surveyed.

TUESDAY, JANUARY 11, 1938

11th
Day

Alexander Hamilton—Born 1757

354 Days
to come

Stayed home today because of a bad cold.
1 card returned.

Got in some progress on head statistics today and made good headway. While much statistical calculations are still necessary I feel that this part of the paper is over the peak at last.

WEDNESDAY, JANUARY 12, 1938

12th
Day

353 Days
to come

Jim Deuel worked today.

Home today with a cold except one hour.

4 cards returned today

Shipped the following to Pemberton.

- 1 Case containing 12 $\frac{1}{2}$ gal MT jars
- 1 Black box with 6 compartments for live specs.
- 1 Paper box containing 4-1 gal MT jars
- 1 Gal bottle formalin
- 1 Springfield Stevens \approx single shot rifle
- 1000 shells
- 2 pistols
- 2 small ram rods
- 1 jointed ram rod
- Steel wool
- Tags
- Scissors (new)
- Directions.

On the South Palomar Grade at 4200 ft.
Chas. F. Schnack dug up a L. zonata out
of a rock pile at a depth of about 5 ft.

THURSDAY, JANUARY 13, 1938

13th
Day

352 Days
to come

3 cards and 1 questionnaire received today.

Worked today and feeling better. got in some good licks on head length tonight, tabulating.

Started Omar on tabulating again.

(June 3^d Cont)

- 1 Red Race, L DOR Meloland fields
(lights on at 7⁰⁵ Holtville)
- 1 Gopher M DOR Date City. Fields. Javed head.
- 1 Small T. marconia COR Date City 7²⁵

Almost dark. Fields 88°

Edge of the desert at 7³⁰. Almost dark. 88°

1/3 moon. No wind.

- 1 Sonora COR Midway Well 8 P.M. 88°
- 1 " COR Pilot Knob 8²⁰ P.M. 86°

Backed over this one.

Reached Yuma at 8⁴⁵. Hot.

Started for San Luis at 9 P.M. P.S.T. from Beach Auto Count. Reached there at 9⁵⁰, 88°.

Not a thing seen. Very disappointing.

Woodhousie heard at one or two points.

- 1 Gopher COR Somerton 10¹⁵, 69°. Backed over him.

The temperature this evening was quite variable. Some places were hotter than others. Back in the auto count at 10⁵⁰. 85°. 82°

(Continued on Jan. 14)

FRIDAY, JANUARY 14, 1938

14th
Day

351 Days
to come

Saw Perkin's this noon.

Only 1 card returned today

Went to a lecture by Claus Mann
tonight.

Jim Dewel worked counting rattles
scales today.

June 3d Cent from Jan. 13.

A very disappointing evening.

Miles in S.D. Co. 80. Miles earning
from Imperial Co. 39, Yuma Co. 49, total
88. Total miles of trip so far, 224.

SATURDAY, JANUARY 15, 1938

15th
Day

350 Days
to come

Spent the entire day on head length and made good progress. Plotted the rest of the H-L relationships. Then drew the lines of best fit by eye. Then drew sample groups of curves for example and comparative purposes.

1 Card returned today.

(June 4th Cont)

Going up the road toward Oracle Jct which we reached at 9:15. Returned to Tucson at 10²⁰, not having seen a thing on the road, dead or alive. There was 1/3 moon. A little breeze. The temp. varied from 74 to 88° depending on altitude and exposure. We saw George's snake show at Oracle Junction, but he had nothing particularly interesting. He gets scutes around Oracle Junction but cinereous are more common. Most of his snakes come from around Owl's Head.

Miles today; daylight 242, night drive 51; total 293.

Perkins told me today that one small miler of his trio had accidentally bitten another in striking for food. The bite was in the jaw. There was considerable swelling but it soon went down. No ill effect.

SUNDAY, JANUARY 16, 1938

16th
Day

2nd Sunday after Epiphany

349 Days
to come

Not very good headway today -
too many lunches and dinners
worked on head-length ratio of
dwarfed races.

(June 5 Continued)

found at Casa Grande; the nearest to
Tucson are from Cortaro. She had 40
tigers last year. Of the 7000 cubs
which she has handled the largest was
6'4" x 6'5". Only 4 or 5 were larger than 6'.

We then called on Billy Woodin III
and his parents the Haskells at Rincon
Ranch about 25 mi. E. of Tucson at
the foot of the Rincon Mts and talked snakes
most of the afternoon. The youngster is
intensely interested in the subject. From
Rincon ranch he had gophers, picais,
spotted nights, King snakes (splendida)
and Rhinoceroses. The ranch is a
very pleasant place with all the
necessaries including a swimming pool.

We returned via Vail and the Benson
highway.

Cnemidophorus noted at Vail.

1 Arizona M DOR Rita, Pima Co., Bush desert.

We returned to Tucson at 5 PM and
rested up for the evening drive.

(Continued on Jan. 17)

MONDAY, JANUARY 17, 1938

17th
Day

Benjamin Franklin—Born 1706

348 Days
to come

5 Cards and a questionnaire today.

Went to the reptile club tonight. Offered a subscription to Copeia as first prize and a subscription to Herpetologica as second prize for most postal card reports of snakes observed in S.D. County.

(June 5 Cont. from Jan. 16)

We started out at 6³⁰. It was warm and decidedly sultry. $\frac{1}{2}$ moon.

First drove out the Ajo road 11 miles. Got nothing. Came back to the Junction and drove south to San Xavier Mission.

1 P. browni ^{COR} 2 mi. N. of the Mission 8¹⁰

mesquite, 84°

1 P. browni COR 3 mi. N. of the Mission 8¹³

mesquite, ~~84~~ 86°

Turned south at Ajo Jct at 8²⁰

1 P. browni DOR (saved) 3 mi. N. of the Mission

Turned north at 8⁴⁰.

Reached Ajo Junction at 9 and went west 3 miles. Finding nothing we came back and went to Congress and Grand then to the top of "A" Mountain. Saw nothing so tried the Mission Road once more.

(Cont. on Jan. 18)

TUESDAY, JANUARY 18, 1938

✓ 18th
Day

347 Days
to come

No cards today.

Worked a short time on dwarf
races tonight.

(June 5th Cont from Jan. 17)

1 H.T. DOR Ajo Junction.

1 *Cnereis* M COR 3 mi. N. of San Xavier
Mission. On the berm. 955, 82°.

Mesquite:

1 *P. d. decurtatus* S. COR 4 mi. N. of
San Xavier Mission. This was right
at the reservation boundary. 1018, 84°

1 H.T. DOR 1 mi. S. of Ajo Junction.

Reached the auto camp at 10⁵⁰ and
drove 8 mi down the Nogales road.

Finally turned in at 11³⁰. Temp 78-82°.

A great night for *Phyllorhynchus*.

The best luck of the trip so far.

Miles today - daylight 92; evening;
drive 102; total 194.

The 5 and 10 reading glasses
are working fine.

One *P. browni* evacuated a gordo?
egg capsule.

WEDNESDAY, JANUARY 19, 1938

19th
Day

Robert E. Lee—Born 1807

346 Days
to come

Went to Los Angeles on the morning train and returned in the evening.

One questionnaire returned today

(June 7 Continued)

1 H.T. (Solare) DOR Curtiss, Cochise Co
2 do

1 *Petrophila* L DOR 9 mi SE of St. David
Rolling mesquite prairie.

Calley 4 mi. NW of Tombstone.

Hunted for a short time under subbrak at Fairbank but got nothing.

Took the side road to Ft. Huachuca and ate lunch there. 15th Infantry (colored) stationed there. Very interesting place. Found the road to Canille wasn't open so went back to highway 82.

Hunted in Yuccas on a high wind-swept prairie in Cochise Co just east of the Santa Cruz Co line. This may be called Mescal Spring, Cochise Co. Saw a holbrookia and a *cremi* (perplexus?) and collected a collared lizard. There are many fallen yuccas here and they are the only places of concealment but the reptiles under them were few. Probably too cold. We got negative results near Rincon Ranch, under yuccas a few days
(Cont. on Jan. 20)

THURSDAY, JANUARY 20, 1938

20th
Day

345 Days
to come

2 cards back today.

To historical society dinner tonight
to hear Marston talk on old times.

(June 7 Cont from Jan. 19)

before.

Hunted in the river at Patagonia and got
a couple of Rana pipiens and a C. s. perplexus
1 P. solari DOB at Nogales.

Started north for Peña Blanca Spring at
4 P.M. The service station man said there was
little water in the spring - a forest service
ranger said there was plenty. The former
was right. The road to the spring is good
but unpaved. At the spring the overflow
was diverted to a swimming pool in
which there were a couple of Rana pipiens.
There were no pools of any size. We went
on 9 miles over an improved but very
twisty mountain road to Bear Canyon in
the Tumacacori Mts. Here there were a
few pools and we collected some tadpoles.
Could find no frogs or toads under rocks.
Collected a S. clarkii at Peña Blanca
on the return trip and saw several others.
Ate supper (out of a can) at the junction
6 mi N. of Nogales and started north on
the evening drive at 7:45
(Continued on Jan 21)

FRIDAY, JANUARY 21, 1938

21st
Day

Stonewall Jackson—Born 1824

344 Days
to come

Jim and Chas worked this afternoon.

Only 1 card returned today.

Dog got run over tonight. One leg seems badly hurt.

Company tonight - little done.

(Jan 9 Cont from Jan 20)

It was a fine night, little breeze, warm, $\frac{1}{3}$ moon. The first part of the trip was Upper Sonoran. Not a thing was seen alive or dead. Evidently nothing out as there was enough traffic to produce DORs.

1 P. Solare DOR Carmen ~~80°~~ 82°

Amado at 8⁴⁵, ~~78°~~ 78°

Reached Tucson at 10 PM. ~~78°~~ 80°

Took the trip to the Mission in the hope of finding a *Phyllorhynchus*. Still no luck.

Returned to Tucson at 10⁵⁰. Got the same cottage again.

It was ~~78°~~ 80° at San Xavier Mission at 10³⁰.

Had hoped to get a tree-snake on the road toward Ruby.

A tough luck day for specimens if there ever was one.

Miles today daylight ~~204~~ 204; Evening 73;
Total 277. Total for the trip to date 1180

Worked all day on the head length paper. Completely revised the dwarf write up. OK this time I think.

(June 8th Cont)

Gloyd and others have stripped all the good rock flakes and we were too tired to go to more distant places.

The country to the north of Yarnell does not look good for night collecting although there are some fair rock outcrops. Peoples Valley is like a high prairie.

Collected lizard noted in Peoples Valley. Also 1 *P. d. hernandesii* DOR and 1 Gopher S DOR. fields.

S. magister DOR. 5 mi. S. of Kerkland Junction

1 Gopher L COR 4 mi. S. of Kerkland Junction

5³⁰ P.M. Grass and scattered rocks. Quite a fight. Struck viciously and rattled. Also collared lizard DOR here.

Hunted in fair rocks just above Grand View (3 mi S. of Glen Oaks) hoping to get a *Xantusia* but no luck. Got *U. o. symmetrica*, *C. e. perplexus*, *S. magister*, and *H. texana*.

Reached Prescott at 7¹⁵; clear and cool. After supper drove up and down the road a few miles hoping to hear frogs, But didn't returned in. Miles today 251. To bed at 10; earliest this week.

SUNDAY, JANUARY 23, 1938

23rd
Day

3rd Sunday after Epiphany

342 Days
to come

Continued work on head length. Made good progress. Now up to the final discussion of species differences. Went to La Jolla tonight.

(June 9th Continued)

points and collected one or two. One contained a large fresh skull. Several were well plastered with tar below. This was dry. There was no fresh tar on the road. It was difficult to see how they had survived with this incrustation.

Skellie's and *C. B. perplexus* were seen at Ash Fork, Yavapai Co. and Skellie's 3 mi. E. of Ash Fork.

A large gopher was picked up. 4 mi. E. of Ash Fork. *Juniper asen*. Saved.

Near Williams we stopped and preserved all the material we had accumulated. We inquired for D. O. Scott but found he was out in the field. Left a note for him. Got the mail; had lunch and left Williams at 12²⁵. It had been cool and comfortable all morning.

We called on Dr. H. S. Colton at the Museum of Northern Arizona and looked over his rattlesnake collection numbering possibly 10 specimens most of which I had seen. One, a dark nuntius, was noted from the Museum.

(Continued on Jan. 24)

MONDAY, JANUARY 24, 1938

24th
Day

341 Days
to come

Tim and Chas worked today.

2 cards returned today.

(June 9 Continued from Jan. 23d)

grounds at Flagstaff. One of the preparators had noted a rattler in a tree at Oak Creek a short time before. Dr. Cotton promised to send me any new ones which might be collected. He has one party in the field now.

We hunted in low brush and scattered rocks - prairie 6 mi. E. of Canyon Padre hoping to find a nuntius. Got skellies and holbrookia. Also hunted near Two Guns which is the highway station at Canyon Diablo. This was in red sandstone. Got several lizards.

1 Gopher S Dor Winslow Grass.

After consideration it appeared best to radiate out of Holbrook rather than Winslow taking a dirt road (for nuntius) before dusk and a not-too-much travelled paved road after. So we got rooms at the Forest Motel had supper and started north on the Keams Canyon Road at 6²⁵. Warm and breezy. We went up this road 24 miles and then turned back. The only reptile seen was a large gopher which was
(Continued on Jan. 25th)

TUESDAY, JANUARY 25, 1938

25th
Day

Conversion of St. Paul

340 Days
to come

Jim and Chas worked today.

They are now finished counting all the 1937 rattlers except the 2 lots of South Dakota juvenile viridis. Working on head lengths of colubrids.

Concert tonight.

Sent to Minnesota game wardens (24)

(June 9th Continued from Jan 24th)

caught on the road on Maroon Mesa, 20 mi. N. of Holbrook. This was at 7 P.M.

grass down. Still bright sunlight.

The road is better than when I last went over it, but still has some bad spots.

We turned back at 7¹⁵; ~~68°F~~ 70°F.

It was sundown at 7³⁰; 70°. Windy.

We were back on the highway at 8 P.M.

We then drove down the St. Johns road going 22 miles but except for a collared lizard DOR at the SE cor. of the Petrified Forest N.M., Apache Co not a thing was seen dead or alive.

We returned to Holbrook at 9³⁰, 72° tired and disgusted. The evening had been very disappointing. The lack of DORs showed that the diurnal snakes were not out, and ~~here~~ our hopes of getting nuntius and Arizona went glimmering.

WEDNESDAY, JANUARY 26, 1938

26th
Day

339 Days
to come

Jim and Chas worked today.

Gander reports a small gopher
today at Dehesa.

(Time 9th Cont. from Jan. 25th)

Evidently the season, the temperature,
or the moon (nearly full) was wrong.

Total miles today 300; miles evening
drive in darkness 45.

THURSDAY, JANUARY 27, 1938

27th
Day

338 Days
to come

Called on Perkins this noon and met Crimmins friend Col. Vaughn.

Made statistical calculations tonight.

(June ~~22~~ 10th Continued)

We had lunch at Flagstaff and left there at 12³⁰. We then turned off the road and pickled specimens until 1²⁰. At Williams we got the mail and again inquired for Scott. We were told he could be found in Hell Canyon and driving there met him coming out. He had left 2 quarts snakes and a racer for us in the office. We had quite a talk about collecting and similar matters and left with him a rifle, 100 shells, tags, and 2 - 1/2 gal jars filled with alcohol.

1 Gopher S DOR 7 mi. E. of Ash Fork. Juniper

1 P. d. hernandesi DOR 8 mi. W. of Williams

1 Gopher M DOR 2 mi E. of Ash Fork. Brush and rocks.

Left Ash Fork at 3⁴⁵. These DOR's begin to look encouraging.

1 Collared lizard DOR. Pinevita (saved)

1 Gopher S DOR Pinevita, Yavapai Co, Grass
Saw a green collared lizard here.

Holbrookes and skellies were shot at
Crookton, Yavapai Co.

1 Gopher S. DOR. Crookton, Yavapai Co, grass and
(Continued on Jan. 28th)

FRIDAY, JANUARY 28, 1938

28th
Day

337 Days
to come

3 cards received today
at 3:30 went to Scripps Institution
and heard a talk on statistics. 20 miles
nothing seen.

Commercial meeting at Service Bldg
tonight.

(June 10th Cont. from Jan. 27)

At Chino, Yavapai Co., several skellies
were shot in sandstone and large bushes.
2 gophers M. DOR Audley, Yavapai Co. ^{grass} prairie
also collected a holbrookia here

1 Gopher L DOR Pica, Yavapai Co. ^{grass} prairie
Holbrookia seen here.

1 gopher L COR ~~2 mi N. of Nelson (Yavapai Co~~
~~but gopher caught in Coconino Co~~

Yampai, Yavapai Co. 5:20 P.M. Bright
sun. High grass prairie with scattered
junipers.

2 gophers M DOR 2 mi. N. of Nelson (Yava. Co
but gophers were in Coconino Co) Grass.

1 Scute COR Crozier Spring, Mohave Co.
M. grass. 6 P.M. Clear and cool.

Coiled on the road.

Between Crozier and Valentine occurs
the first chuck country adjacent to the
road although none was seen. There are
many large rounded granite boulders
(Continued on Jan. 29)

SATURDAY, JANUARY 29, 1938

29th
Day

William McKinley—Born 1843

336 Days
to come

Made good progress on the head length paper today. Cleaned up general discussion and other difficult parts.

Shaw worked today, measuring heads on harmless snakes.

(June 10th Cont from Jan. 28)

here, which although they don't flake well should be investigated for Xantusia etc. We had no time for this and were too tired anyway. The country and the rocks look just like Mountain Springs.

1 Gopher M. COR Antares, Mohave Co.

5⁴⁵ PM P.S.T. Bright sunlight. Light brush

1 Gopher S DOR, Walapai, Mohave Co. ^{Thin grass}

1 Gopher L DOR, Berry, Mohave Co. ^{desert.} ^{light brush}

1 Pacific King L DOR, Berry, Mohave Co., ^{saved}

Just hit. Squirming. Low brush desert

5⁵⁰ P.S.T.

1 Platy. DOR Berry.

1 Longnose M DOR Louise, Mohave Co

light brush. saved.

The many DOR's through here gave us great hopes for the evening which sad to relate did not materialize.

We reached Kingman at 6 P.M. PST and spent considerable time fixing up all specimens and eating supper. We started

(Cont. on Jan. 30th)

SUNDAY, JANUARY 30, 1938

30th
Day

Franklin Delano Roosevelt—Born 1882
4th Sunday after Epiphany

335 Days
to come

Worked all day and late into the evening on the head length paper. Didn't do so well. Ran into a snag on the equation $H = mn^L$ for harmless snakes and wasted half a day before working it out. Also found the width problem more serious than originally expected and took a lot of time preparing the statistics to be worked up by Omar and Mrs. Leslie.

Shaw worked today

(June 10th Cont. from Jan. 29th)
north to Boulder Dam from Kingman at 6:55. After sundown but still light cool. Some breeze. Full moon.

1 Red Racer M DOR 6 mi. N. of Kingman
Rocks and Brush.

1 *Ptychocheilus* M DOR 3 mi E. of Boulder Dam on the Arizona side. Saved head. No question of scale separation. This is important as showing that stephensi did not cross the ~~to~~ river, as it is found directly opposite at Vegas Wash.

1 *S. occipitalis* DOR Boulder City. Saved.

1 *S. g. hexalepis* SDOR Whitney P.O. Clark Co
Reached Las Vegas and found an auto
Conrt (after many "No Vacancies") at 11 P.M.
(Continued on Jan. 31)

MONDAY, JANUARY 31, 1938

31st
Day

334 Days
to come

Shaw worked today.

2 cards returned today.

(June 10 Continued from Jan. 30)

It was clear and warm.

The evening drive was again very disappointing. The road from Kenyman to the dam is now all paved except for the first mile. It is raised in spots and the side brush has been trimmed away.

But either the moon or the low temperature 73° to 75° kept the snakes in. It was considerably warmer after we reached the dam.

Miles evening drive 97

Total today 390

Total for the trip to date 2127

TUESDAY, FEBRUARY 1, 1938

32nd
Day

333 Days
to come

Sick with a bad cold today;
went down town for only an
hour in the afternoon.

4 cards received from Minnesota.

Mrs. Leslie started work today

(June 11 Continued)

Lt. brush desert. Raved head. 80°F

1 Gopher M DOR Yucca Station. Brush.

1 Red Racer L COR Halloran Spring

2¹⁰ P.M. Cool and overcast. Brushy desert.

1 Dip DOR 6 mi. NE of Baker; 1 Leopard

lizard DOR 7 " " " "

Whiptail and chuck noted 7 mi. SW of Baker

Whiptail, uta, and collared lizard shot or
observed 7 mi. NE of Cronise.

Leopard lizard DOR 5 mi NE of Cronise.

Whiptail DOR 3 mi SW of Cronise, and dip
5 mi. SW of Cronise.

P. platyrhinos DOR at Midway

Uta and whiptail observed at Harvard.

Reached Barstow at 5 P.M., 78°. Left Barstow
for Kramer at 5³⁰. Cloudy and windy.
Evidently a poor evening for collecting.

1 Gopher L DOR Hawes Brushy desert

1 Red Racer L " " " "

1 Gopher L " " " "

1 " M " Jim Gray " "

(Continued on Feb 2)

WEDNESDAY, FEBRUARY 2, 1938

33rd
Day

Purification

332 Days
to come

Home sick all day today
1 card received.

(June 11 Continued from Feb 1)

This specimen was no different in appearance than any other Mojave Desert specimen.

1 Platyrrhinus DOR 9 mi. N. of Kramer Jct.

1 Red Racer L DOR 10 mi. S. of Gatolia Lt. brush.
Black on head.

1 Gopher M DOR 5 mi. S. of Gatolia Lt. brush desert.

We ate supper at the junction of US 395 and the railway to Trona. It was cold and windy. 62° F. 73° . Full moon, some clouds. Started for Adelanto at 7^30 .

Not a live specimen was seen on the road as it was much too cold. Hard luck for the Mojave at this time of year.

1 Leopard lizard DOR at Kramer Jct. 8^0

✓ 1 Cally DOR 8 mi. N. of Adelanto. No tail bands underneath

1 Red Racer L DOR 3 mi N. of Adelanto.

Reached Miller's Corner at 9^30 ; 58°

Reached San Bernardino at 10^{15} ; very cold. Hylas calling. Another rotten evening. Few lizards today because of the cold.

Miles driving on desert 74; total miles today 324.

Home most of the day feeling
punk

(June 25th Continued)

The Narrows. We picked them up again when we started for home; also Dorn. Meanwhile Chas. Shaw rode on our ~~sl~~ right fender; later Deuel rode on this fender until we reached Scissors Crossing. This method of hunting is certainly efficient when we are going slow enough. Also Miss Storey was very good at seeing snakes on the barn from the left rear window.

The results of my party:

1 Pacific Rattler L DOR Fields, Lagunaht

1 P. blainwillii Foot of Banner Grade

Reached the Narrows at 6⁴⁵. 90°. Saw cally and Uta Stansburiana. It was sundown. There was quite a breeze through the Narrows at this time.

At 7¹⁰ the others, not having arrived, we started west from the Narrows. Dusk Temp. 88°.

Turned eastward again at Yaqui Well 7³⁰. It was almost dark; slight breeze 89°. 7⁴⁵ lost a coleonyx.

7⁵⁰ Sonora DOR squirming saved. The Narrows
(Continued on Feb. 4)

A little better today. Worked a little in the morning and evening. Decided today to recalculate the regression equations of the H-L relationships in both Here and Platteville series — a big job, but will feel better about it.

Have been thinking over the problem of determining how durations increase with L in any set up such as this. Don't think Harris had it right, if I understand his method.

(June 25th Cont. from Feb. 3)

Returned to the Narrows at 7⁰⁰. Caught a *Uta* *graciosa* here. At this time the other party arrived.

- | | | | | |
|---|-----------|-----------------------------|-----------------------|-----------------|
| 1 | Leafnose | COR 3 mi. E. of The Narrows | 8 ¹⁰ , 89° | slight breeze |
| 1 | " | COR 6 " " " " " | 8 ²¹ , 90° | completely dark |
| 1 | " | COR 7 " " " " " | 8 ²⁵ , 91° | on the burn |
| 1 | Arizona M | COR 2 " W of Bensons | 8 ³⁵ , 91° | " |

Reached Bensons East bound at 8⁴⁵, 91°.

a slight breeze blowing; no moon.

Got nothing between here and the County line which we reached at 9⁰².

- | | | | |
|---|------------|-------------------------|-----------------|
| 1 | Coleonyx | COR 2 mi. E. of Bensons | 9 ¹⁰ |
| 1 | Sonora DOR | " " " " " | " |

(Continued on Feb. 5)

SATURDAY, FEBRUARY 5, 1938

36th
Day

329 Days
to come

Worked all day and evening on the head-length head-width relationship and made good headway. Also retabulated both the Peaterville and Pierie correlations for recalculation.

Phaw worked today making special head length measurements.

1 Minnesota card returned today.

2 large striped racers DOR Euclid Ave. Reported by Perkins.

(June 25th Cont. from Feb. 4)

1 Leafnose COR	5 mi. E. of The Narrows	9 ³⁷	90°
1 Coleonyx COR	2 " " " " "	9 ⁵⁰	90°
1 Leafnose COR	1 " " " " "	9 ⁵⁶	89°

(quite windy here)

1 Arizona M COR	1 " " " " "	9 ⁵⁹	89°
-----------------	-------------	-----------------	-----

Reached the Narrows at 9⁵⁹. Quite breezy here 88°. Picked up Mrs. David and Devel. They had 3 Coleonyx.

1 Sonora DOR	4 mi. W. of The Narrows	10 ²⁰	
1 Leafnose L	" " " " "	10 ²⁶	

Yagui Well at 10³³; 86°

1 Coleonyx COR	2 mi. W. of Yagui Well	10 ⁴⁰	86°
1 Leafnose COR	" " " " "	10 ⁴²	86°

(Continued on Feb. 6th)

SUNDAY, FEBRUARY 6, 1938

37th
Day

5th Sunday after Epiphany
Transfiguration—Lutheran

328 Days
to come

Again worked on head with
Correlations and practically finished
the notes up.

Phaw worked today.

(June 25th, continued from Feb. 5th).

- 1 Garter L DOR Sentenac Canyon
- 1 Coleonyx COR " " 10⁵⁰, 84°
- 1 Spotted Uta COR " " 10⁵⁶, 80°

Reached Scissors Crossing at 11 P.M. 80°
breezy. From here Deuel drove in as
far as El Cajon. I picked it up here; we
made fast time to get Miss David to
the 1¹⁵ car. Made it in spite of some fog.

Arrived home at 1⁴⁵ A.M.

Total miles 229; miles in S.D. Co in
daylight 103; night hunt on the desert 50.

Log of the Perkins party.

Left the zoo at 3⁴⁵.

- 1 Striped racer DOR Lakeside
- 1 Gopher DOR Ramona
- 1 Long nose DOR Ballena
- 1 Gopher DOR Pine Hills.
- 1 Boyles King DOR Julian.

1 Red Racer L COR Banner 6⁴⁵

1 Boa L COR Sentenac Bridge 7⁰⁰

lost a longtailed uia 5 mi. W. of The Narrows
at 8³⁵.

(Continued on Feb. 7th)

MONDAY, FEBRUARY 7, 1938

38th
Day

327 Days
to come

3 cards returned today.

Jim Deuel worked in the afternoon.

Mrs. Leslie worked on calculations.

(Jame 25th Continued from Feb. 6)

Turned east again near Yaqui Well and reached the Narrows at 9¹⁵. Not getting anything here.

1 Leafnuse COR The Narrows 9¹⁵

1 Sonora COR 2 mi. E. of The Narrows 9²⁴

1 Leafnuse COR 5 " " " " 9³⁵

Turned west at the station 1 mi. W. of Bensons

1 Leafnuse COR 4 mi. E. of The Narrows 10²⁵

1 Arizona COR " " " " " 10³⁷

1 Cerastes COR 3 " " " " " 10³⁵

1 Leafnuse COR 3 " " " " " 10³⁵

1 " COR 2 " " " " " 10³⁶

1 " COR 1 " " " " " 10⁴⁰

1 Arizona COR 1 " W " " " 10⁵³

1 Leafnuse COR 4 " " " " " 11⁰⁰

1 " DOR 2 " " " Yaqui Well 11¹⁰

1 " COR Lg 3 " " " " " 11¹⁴

1 Wormsnake DOR at the Cattle Guard = Sentenac

Reached home about 2³⁰

Night desert drive 56 miles.

temp 86° to 89° per trap

TUESDAY, FEBRUARY 8, 1938

39th
Day

326 Days
to come

A few calculations tonight

1 Questionnaire returned today

Went to El Cajon today; 25 miles

nothing seen

(July 1 Continued)

Caught 2 *Coleonyx* on the road at Big Horn,
Maricopa Co (= 21 mi. E. of Gila Bend) $10^{\circ} 18'$, 80°

1 Small scute DOR just east of the Maricopa-Pinal
Co line (= 2 mi. N. of Antelope Peak)

1 *Alvarius* COR 11 mi. W. of Casa Grande

1 *Coleonyx* LOR 6 mi. W. of Casa Grande

1 Scute M COR 5 mi. W. of Casa Grande

$11^{\circ} 37'$, 81° .

As we approached Casa Grande *Alvarius*
was plentiful on the road. *Cognatus* and
woodhousii were heard. Many *alvarius*
were picked up under street lights, along
the gutters, on sidewalks etc. They were
everywhere. We picked up about 30.

Turned in for the night in Casa Grande at
an auto court at $12^{\circ} 30'$. Still about 80° .

Moon set long ago. A very disappointing
evening drive under perfect ~~at~~ weather conditions.

The moon set early. Must be too late in the
season. 2 Boys on the fenders for about 30 miles
so we didn't miss anything. Tried the new
lights (gog) for the first time. They work
(Cont. on Feb. 9)

WEDNESDAY, FEBRUARY 9, 1938

40th
Day

325 Days
to come

1 Card and 1 Questionnaire returned
tonight.

Jim Deuel worked today

(July 1 Cont from Feb. 8)

Jim gave an excellent illumination
of the kern

Miles today 350; in S. D Co 84;
evening desert drive 59.

Tabulated head widths tonight
1 card returned

(July 2 continued)

which the recent rains have caused.

We reached Tucson and put up at the Sunset Villas auto court. It was 12³⁰; warm, part cloudy and sultry. Bufo alvarius was noted DOR everywhere about Tucson and down to the Mission; also foot of A Mountain. A collared lizard was also noted here. After lunch we went out to the Mission to look over the road and then back by way of the City Dump. Here we hunted under rubbish particularly paper. It was damp, even wet under the rubbish because of the recent rains; said to have rained 2" last Tuesday. There are many puddles alongside the roads. We got a tentilla, a skelly and whiptail. The tentilla was under a cardboard, well bedded into the earth. Warm and sultry all afternoon.

Later we went out to Pabris Canyon. 1 Colly DOR bms E of Tucson. At the Canyon we caught Uta ornata symmetrica, Rana pipiens and Hyla arenicolor.
(Continued on Feb. 11)

Junior League party tonight
at Coronado; out very late.

(July 2 Cont. from Feb. 10)

Sceloporus clarkii, whiptails and
Holbrookia texana? were in evidence but
not secured as we could do no shooting.

On the evening drive we reached
Congress and Grand at 7⁴⁰ about 10 minutes
after sundown. It was still warm and
sultry (88°) with many clouds in the
sky. Our itinerary was as follows:

S. to S. Boundary of Reservation (= 1 mi
S. of Mission Junction; this section
being unpaired) 86° 8¹⁵.

N. to Ajo Junction 82° 8³⁵ almost dark

S to S. Boundary of Res 78° 9⁰⁸ Now dark.

N. to Ajo Junction 78° 9³⁸.

W. on Ajo Road 7 mi. 82° 10²⁵

E to Ajo Junction 82° 10²⁵

S to Mission 82° 10⁴⁵

N to Congress & Grand 11¹⁰

E to Salinas Canyon 11⁴⁵

W and S to Camp 11⁴⁶ 78°

A very barren and disappointing night.
The weather seemed perfect. Toads were
very plentiful especially cognatus
calling violently in one roadside
(Continued on Feb. 12)

SATURDAY, FEBRUARY 12, 1938

43rd
Day

Abraham Lincoln, Born 1809—Georgia Day (Ga.)

322 Days
to come

Worked all day on head width calculations. This is now in good shape. The whole paper is nearing a conclusion.

(July 2 Cont from Feb. 11)

pond and they and other toads were noted crossing the road at many points. The first part of the night trip we drove slowly and carefully with a key on each fender. After we returned from the Ajo road side trip we went faster. Evidently this is not the season; unless it be immediately after a rain. There was a $\frac{2}{5}$ moon which set about 10⁵⁰.

The results of the evening drive:

- 1 L. g. ^{symensis} ~~splendida~~ L. COR 7⁵⁸ 84° Mesquite dusk.
2 mi. N. of Mission San Xavier
1 P. solare COR Mission San Xavier 8⁰⁸ 84°
2 Thamnophis COR 1 mi N of Mission 8⁰³ 84°

Mesquite and puddles

- 1 B. cognatus 2 mi. N. of mission 8²⁶ 84°
Bufo alvarius seen at 8³⁸ at Ajo Junction
Callej DOR 1 mi. S. of Ajo Junction
2 B. woodhousii COR 8⁴⁶ 80° N. Bowway of
Indian Reservation

Alvarius seen at 2 mi. N. of mission 80° 8⁵⁰

Also spade foot? taken here.

Caught many cognatus and 1 pipiens in a
pond 1 mi N. of mission at 8⁵¹ and 9²⁰ 78°
(Continued on Feb. 13)

SUNDAY, FEBRUARY 13, 1938

44th
Day

Septuagesima

321 Days
to come

Worked all day on the head paper and made good progress rearranging the discussion of the full Plattville and Pierre series. More logical now.

Chas. worked today on N.D.

series of young *viridis*.

(July 2 Cont. from Feb 12)

1 *Thamnopis* COR Mission Junction

9⁰⁰ P.M. 78°.

1 Gopher S COR 3 mi. W. of Ajo Junction

9⁵⁰ 82° F

1 Gecko COR 6 mi. W. of Ajo Junction.

P. Solare DOR foot of "A" Mountain

1 Spotted Night Snake L COR at entrance to Sabino Canyon 11⁴⁵ 78° F

Returned to the auto camp at 12²⁵ and preserved the toads. It was 78°; no wind.

Miles today 222; evening drive 90 of which 85 should be considered possible territory.

MONDAY, FEBRUARY 14, 1938

45th
Day

St. Valentine's Day

320 Days
to come

Went to Los Angeles this morning.
Started at 6⁴⁵. got as far as Rose
Canyon and then came back for
a portfolio. Restarted at 7²⁰; arrived
at 9³⁰. Raining north of county
line. Nothing seen

Saw Hill a few moments in the
afternoon at the hotel.

Worked on head length in the evening.

TUESDAY, FEBRUARY 15, 1938

46th
Day

Battleship Maine Destroyed 1898

319 Days
to come

Returned from Los Angeles at 4⁰⁵.
Arriving at 6⁵⁵. Too dark to count.
Turkey dedication tonight

(July 3 Continued)

2 Dips' DOR 4 mi. N. of Florence. Rained 1.
Hunted here in the brush; now quite hot.
Got nothing. Reached Apache Junction
at 1³⁰. Hot.

1 Boyles King DOR Tempe Maricopa Co.
Fields. Narrow but clear light rings.
Saw Evans and got from him a hatch?
taken on the Agua Fria river 8 mi N. of
Marquette. Reached Phoenix at 3³⁰. Hot.

1 Gopher S DOR Morristown Maricopa Co.
Brush. Cally seen 4 mi NW of Morristown
Hunted in the Harcuwar Mts Yuma Co
at near Hope and got whiptails. 5³⁰ P.S.T.
nothing else out.

1 Patchmore M DOR 3 mi W. of Brenda, Yuma
Co. Rocky desert. Car acted funny here.
Reached Blythe at 6³⁰. Warm sundown.
Got an auto count and ate supper.

Started on the evening drive from Blythe
at 7⁴⁸. 1/4 moon. No wind, 84°. Went 26
miles north on the Vidal - Needles road
No. 145. It seems to be partly irrigated
(Cont. on Feb. 16)

PCEA meeting tonight

(July 3 Continued from Feb 15)
and partly desert. Some stretches
were cool. Any way it was
practically barren and we were
once more disappointed.

1 *T. marci* S. DOR 4 mi. N. y
Blythe. Paved.

1 *G. co.* DOR 5 mi. N. y Blythe.

Turned south at 9⁰⁸. Drove slowly
this far with boys in the fenders, but
gave it up and came back fast.

1 *C. cognatus* CO R 4 mi. N. y Blythe.

Arrived home at 10 PM tired and sore.
80° quiet. $\frac{1}{2}$ moon.

Total miles today 347; miles in
evening drive 54.

Brought this diary up to date before
going to bed.

The large King snake from near San
Xavier Mission died from the heat today
and was pickled. All the other animals
came through OK. We keep the toads
in the shower rooms at night.

THURSDAY, FEBRUARY 17, 1938

48th
Day

317 Days
to come

Drove to Los Angeles this morning with Gg, Alice, and Ark. Started at 7. Went via Pasadena. A clear cool day. Nothing seen inside or outside of County

→ Meetings today. Went to
"You Can't Take it With You" tonight.

(July 4 Continued)

Blythe (= Hopken's Well) and got several lizards. A leopard lizard collected here contained a *Uta* *graciosa*.

In the Chuckawalla Valley Callie's were seen 14 and 18 mi. E. of Desert Center; and Dips 7, 15 and 16 mi. E.

Uta stansburiana stansburiana was seen 8 mi. W. of Desert Center

130 P.M.

Dips seen at Mecca. Lunch at Oasis. Hot Callie at Benson's Dry Lake

Caught a *platyrhynchus* on the road at the top of the Sentinel just E. of the Scissors Crossing bridge. Reached Banner at 3 P.M.; it was fine and cool after the desert.

Blainvillie seen on the road at Witch Creek. Bilderback thought he saw a snake on the road on Messers Grade, otherwise not a thing was seen in
(Continued on Feb. 18)

FRIDAY, FEBRUARY 18, 1938

49th
Day

316 Days
to come

Returned from Los Angeles today starting at 8. Stopped at Laguna Beach and ran into Bevan by accident. Some rain. Got home at noon. Nothing seen.

Worked on head length calculations tonight, and made fair headway.

1 Old card read today

(July 4 Cont. from Feb 17)

S.D. Co.

Arrived home at 5 P.M., Clear and cool. Miles today 235; in S.D. Co. 96; total for the trip 1154.

If the trip proved anything it was that July is too late in the season except for toads which were thick and active in Southern Arizona. Maybe the snakes are not immediately after a rain. Would like to try it. But the spring is probably best, although the weather would be a gamble. A cold spell might be struck and this would mean total failure.

Worked all day and late into the evening on head length. Cleared up some points, but it didn't go as fast as I hoped.

1 Card read today.

Shaver worked.

(July 24 Cont)

with trees in the deeply eroded bottoms. If magister occurs here it ought to be found all along the west side of the San Joaquin. This would be a good country to drive in nights in those territories where the road is paved.

4 mi. E. of Panoche we hunted in a flowing shallow warm creek. Got a number of yellow legged frogs and 1 garter snake. The frogs were quite plentiful. The garter was in the open behind a rock. This was at 3:30 PM and warm. The frogs dug to the bottom but as the creek was shallow, were easily caught. The creek was odorous. Sulphur? This was in San Benito Co.

looked at a roadside pool at Jameson, Fresno Co. Saw a Rana a. draytonii and caught a Boyle's King crawling in the open. This was at 4:50 PM. Warm.

Reached Fresno at 5:30. Hot. Stopped at Delano at 8:30. Warm. Miles today 199

SUNDAY, FEBRUARY 20, 1938

51st
Day

Sexagesima

314 Days
to come

The head length paper is finally finished. Only have to check the Blakeman test for linearity, and check the correlation between L and σ_H . Will do this when Mrs. Leslie has made the H computations.

Took over to the Museum a set of material for Tony Green for the Scripps trip to the Gulf of California as follows:

2 New Stevens Single Shot Rifles.

2 Rem Rode

200 shot shells

Tags, Scissors, Steel Wool.

2 gal Jars in paper boxes.

Old Auto Box Containing

2 Half gals (1 filled with alcohol)

6 qts (2 filled with pure formalin)

MONDAY, FEBRUARY 21, 1938

52nd
Day

313 Days
to come

Today I went out to Ramona
for the Rotary lunch; thence to Escondido
where I talked to the 'womens club
on snakes. Started at 11 A.M.; Returned
at 4³⁰. A clear warm day. 83 miles.

1 gopher S DOR Lakeside grass
1 garter M DOR San Pasqual ^{Pond} ht. brush.
1 alligator L. DOR Mission Valley.

Reptile Club tonight

Cook called.

✓ Cards returned.

Shorty started work today.

✓
TUESDAY, FEBRUARY 22, 1938

53rd
Day

George Washington—Born 1732

312 Days
to come

Jim Deuel worked this afternoon.

Miscellaneous work today.

Calculated the trend in σ_H and ~~rewrote~~ wrote the section on this. Further work on linearity.

WEDNESDAY, FEBRUARY 23, 1938

54th
Day

311 Days
to come

Jim Deuel worked today.

1 card received.

Von Parkinson called this
afternoon. He is here temporarily.

THURSDAY, FEBRUARY 24, 1938

55th
Day

St. Matthias

310 Days
to come

Worked on linearity tonight. This
is still a tough egg.

FRIDAY, FEBRUARY 25, 1938

56th
Day

309 Days
to come

Movie tonight.

Saw Cy this noon.

Shaw worked today

Bob Hoard ^{reports} the following at Kensington
Heights

2 Boyles Kings

1 Ring Neck

1 garter

SATURDAY, FEBRUARY 26, 1938

57th
Day

308 Days
to come

Shaw worked today; also Devel
in the afternoon.

Cleared up miscellaneous items,
And then worked again on the
linearity test of H on L. Finished it
but it is very unsatisfactory. The
test is too delicate when the
correlation is high.

SUNDAY, FEBRUARY 27, 1938

58th
Day

Quinquagesima

307 Days
to come

Worked on income taxes today.

Bob Hoard called this afternoon to discuss his trip to Lower California this summer.

(June 6th Cont)

In the afternoon we called on O. Harrington at the Hotel Geronimo and talked snakes for quite a while. He told me of a scute from 5 mi. S. of Fort Huachuca.

Then we called on Vorhees at the University but saw him only a short time as he had an engagement. We saw his *Oxybelis* and *Elaphe chlorosoma*. He had a live *C. Willardi* from the Santa Ritas which he promised to lend for the show in July. He was proud of a *P. browni* which he had secured in the last day or so and was flabbergasted when he learned we had taken 3 last night. We then saw the University preserved material. It is in very bad shape; much of it dry and without labels. They had a few very good things. I noted particularly a *Sanura occipitalis* from Tucson like Huey's from Pacheco. There were a number of worm snakes and a *Chilomeniscus*, the latter from Tucson.

(Continued on Feb. 28)

Worked on the same old problem of estimating σ of a supply from σ of a sample tonight.

(June 6th Cont from Feb 27th)

A student named Flood? is about to overhaul the collection. I offered to identify anything that bothered him, and gave him quite a few at the time.

Later in the afternoon we drove out to Pabino Canyon. A little of the country along the way looks good; and the Canyon itself looks fine but too strenuous for us. We caught a couple of Rana pipiens. 39 miles on this trip. Returned to Tucson and took it easy for a while. Very hot again this afternoon, but not as sultry as yesterday.

In the evening we had one of the most disappointing experiences of years for we expected to repeat last night's favorable results with Phyllorhynchus but got not a single specimen. We decided to concentrate on the section between the Ajo branch and the Mission where they were found the night before but something was different, either the temperature or the humidity.

(Continued on Mar 1)

TUESDAY, MARCH 1, 1938

60th
Day

Shrove Tuesday
(Mardi Gras, Ala., Fla., La.)

305 Days
to come

Eales at dinner tonight

(June 6 Continued from Feb 28)

We reached Congress and grand at 7²⁵ and thereafter shuttled back and forth no less than 8 times getting more discouraged all the while.

Then feeling that it was hopeless we ran up the Casa grande highway about 10 miles. Finally we returned to the auto camp.

There was some breeze and half a moon. The air was drier than last night. Some temperatures were as follows:

7 ²⁵	Sundown	90°	It was decidedly
7 ³⁵	Ajo Junction	86°	Cooler along the
7 ⁵⁸	Mission	84°	road toward
8 ³⁵	"	86°	Jaynes; down to
9 ¹⁵	"	84°	70° in places.

The poverty stricken results follow:

1 Gopher S ~~SE~~ COR Xavier Mission 7⁴³, 84°;
not quite dark

1 Geko DOR 3 mi. N. of Xavier Mission

1 H.T. Alive and 1 H.T. DOR " " 9¹⁵, 84°

1 H.T. DOR 4 mi. SE of Jaynes Station (= ^{Jaynes} station)

1 Cnemidophorus m. DOR 1 mi. N. of Ajo Junction (= Tucson)

Returned to auto camp at 11¹⁰; still hot.

Miles evening drive 76; total today 115.

WEDNESDAY, MARCH 2, 1938

61st
Day

Ash Wednesday
Texas Independence Day

304 Days
to come

Bad storm today. Plenty of
troubles.

THURSDAY, MARCH 3, 1938

62nd
Day

303 Days
to come

at Eales hotel tonight. Still
plenty of storm trouble.

✓ Kobler records a large red rattler
at Pala on this date.

FRIDAY, MARCH 4, 1938

63rd
Day

302 Days
to come

Recalculating regression lines on
Platteville and Peire series tonight.

SATURDAY, MARCH 5, 1938

64th
Day

301 Days
to come

Imi and Chas worked today
scale counting on harmless snakes.

Spent the day on the head
lengths which was finished long ago;
but found an error in the Platteville
and Pierre regression equations, and
must do some recalculating. The
test for linearity is a test when
 r and y are high as in this case.

SUNDAY, MARCH 6, 1938

65th
Day

1st Sunday in Lent

300 Days
to come

More calculating. Also accounts.
Once more finished that head length
paper.

MONDAY, MARCH 7, 1938

66th
Day

299 Days
to come

A little miscellaneous work done
tonight.

1 Card returned.

TUESDAY, MARCH 8, 1938

67th
Day

298 Days
to come

Out to dinner tonight
Saw Cy at the zoo this morning.

WEDNESDAY, MARCH 9, 1938

68th
Day

Ember Day

297 Days
to come

A little ms. checking tonight.
Jim worked this afternoon.

THURSDAY, MARCH 10, 1938

69th
Day

296 Days
to come

Out to dinner tonight.

FRIDAY, MARCH 11, 1938

70th
Day

Ember Day

295 Days
to come

Shaw worked today.
Miscellaneous clean-up tonight.

SATURDAY, MARCH 12, 1938

71st
Day

Ember Day

294 Days
to come

Business most of the day. A few recalculations on Platteville and Pierie series.

✓ Geo Myers was in town from the Hancock expedition but I had no chance to see him. Understand they got some good specimens.

SUNDAY, MARCH 13, 1938

72nd
Day

2nd Sunday in Lent

293 Days
to come

Made some headway on recalculations.
Out to dinner tonight.

MONDAY, MARCH 14, 1938

73rd
Day

292 Days
to come

Last preliminary copy of the head dimensions paper was completed today. Will submit it shortly.

Interviewed WPA officials re Mrs. Leslie's salary.

- ✓ Understand Marilyn Perkin's is in town.
 - ✓ Lecture by Sumner on animal coloration at the Natural History Museum tonight.
- Very good.

TUESDAY, MARCH 15, 1938

74th
Day

291 Days
to come

- ✓ Met Marlin Perkins and his wife at the Zoo this noon. Gave Cy Perkins a copy of the head paper to criticize.
- ✓ Bob Hoard reports a Boyles King in S.D.

WEDNESDAY, MARCH 16, 1938

75th
Day

290 Days
to come

Still working on the head length
paper tonight.

THURSDAY, MARCH 17, 1938

76th
Day

St Patrick's Day

289 Days
to come

Coronado Hotel dinner tonight

Report from Gr Danforth: Contia tenuis
3½ mi. NE of Napa.

FRIDAY, MARCH 18, 1938

77th
Day

288 Days
to come

✓ Went to the La Jolla Kiwanis Club today and gave an illustrated snake talk. They cut me short and rather spoiled it. 15 miles. Nothing seen. A fine warm day.

Mrs. Wiley was in town today and was to have come to the office at 4 P.M. but did not show up.

Shorty finished entering the field trips for 1937 this afternoon.

little clean up work tonight ;
too tired.

SATURDAY, MARCH 19, 1938

78th
Day

287 Days
to come

Went to the zoo this morning and got the Velerio III specimens - about 150. At noon went to welcome the LA High School kids brought down by the new Santa Fe streamliner. Otherwise worked all day on the interminable head length paper and miscellaneous items. Chas Shaw worked today.

Dinner to 21 tonight.

Shorty finished bringing the card files to date.

SUNDAY, MARCH 20, 1938

79th
Day

3rd Sunday in Lent
First Day of Spring

286 Days
to come

Worked on pasting species
names on 4 figures for head paper.
Also still worked on deviation of the
line of best fit from 100%

Philip arrived in the morning

Bob Hoard called in the afternoon.

Chas. Shaw worked all day.

MONDAY, MARCH 21, 1938

80th
Day

285 Days
to come

Reptile Club tonight.

(May 14th Continued)

Also Cy found a spotted night snake here under a yucca. This was at 11²⁰ A.M.

Both kinds of yuccas are found here.

We turned off the 29 Palms Road toward Quail Spring, and ate lunch at the spring at 12³⁰. It was hot. Got a *uta* alive here and saw a magister but did not get him. The road was pretty tough. We got stuck once but only for a few moments.

Hunted 3 mi. E. of Keys Ranch, Riverside Co, Joshua Natl Monument. Got *Xantusia vigilis* and saw a *uta*. Got a skelly also.

Hunted 2 mi. S. of Split Rock. Got several kinds of lizards. Also a mitch under a rock.

Caught a large tortoise 2 mi S. of 29 Palms. Turned him loose.

Colly DOR 1 mi E. of 29 Palms

Reached 29 Palms at 4³⁰. It was cloudy and sultry. The trip through the Joshua National Monument was interesting. There are many good rocky areas and fine stands of yuccas but the road is rather poor.

(Continued on March 22nd)

TUESDAY, MARCH 22, 1938

81st
Day

284 Days
to come

Today submitted the head length ms.
to Abbott. at last.

Got Tony Green's specimens taken
at Magdalena Bay. Not many because
of Bob Scripps death.

(May 14th Continued from Mar. 21)

We went 5 miles west of 29 Palms
and took it easy for 2 hours. Ate supper
here. Then we went back to 29 Palms
and started the evening drive at 6⁴⁵
P.m. Cloudy, warm, and a little
wind. 84°F to 86°.

1 Gecko 2 mi. W. of 29 Palms 7¹⁰ almost dark
1 " 7 " " " " " 7³⁰ dark 82°F

1 Plateyrhinus DOR 9 mi. W. of 29 Palms

1 Arizona COR 8 mi. E. of Lone Star,

San Bernardino Co. 7⁵⁰ 82°.

1 Sidewinder DOR 6 mi. E. of Lone Star ^{saved} head.

1 Arizona COR 4 mi. E. of Lone Star 8⁰⁵

81°. mild breeze, moon almost obscured
by clouds.

1 Gopher M DOR Lone Star saved.

1 " S " " " "

1 longnose COR Morongo Valley
8⁴⁵, 78°, no moon.

1 Gecko caught 1 mi. N. of Alameda
Junction at 9²⁰.

(Continued on March 23^d)

WEDNESDAY, MARCH 23, 1938

82nd
Day

283 Days
to come

Abbott passed the paper for
publication today.

Called on Behrens.

Out to dinner.

(May 14 Cont. from Mar 22)

1 Gopher DOR Palm Springs Station
Wind very bad here and on the mesa
to the north.

1 Arizona DOR Palm Springs Station

1 Dep " " " "

1 Arizona COR " " "

935 Very windy 86°

1 Arizona DOR Palm Springs

1 " " " "

1 Red Racer " " "

Reached Palm Springs at 10⁰⁵. Both hylas
were heard.

1 Sidewinder COR Cathedral City 10²⁵ 88°

Dark. No moon. No wind.

1 Longnose DOR Cathedral City

1 Sonora DOR 2 mi S. of Cathedral City

1 Anserosia COR 2 mi W. of Indian Wells

11 P.M. 88°

1 Sidewinder Small DOR 3 mi S. of Cathedral City

Reached Indio at 11¹⁵. Quite warm, moon
obscured. Not much breeze. Pickled specimens
until midnight. Miles today 187.

THURSDAY, MARCH 24, 1938

83rd
Day

282 Days
to come

a few calculations tonight.

FRIDAY, MARCH 25, 1938

84th
Day

Annunciation (Maryland Day)

281 Days
to come

Talked over head length paper
with Perkins

Shaw worked this afternoon.

Dr. Barlow called up late this
evening.

Worked on school talk.

SATURDAY, MARCH 26, 1938

85th
Day

280 Days
to come

✓ Visited with Barbour this morning from 9 until noon; first at home, then at the Natural History Museum and the Zoo. Had a most interesting time but all too short by the necessity of his early departure.

At noon gave a talk on high school graduates and their qualifications to the Commercial High School Teachers of Southern California. The lunch lasted until 3.

City of San Diego unj-neck disgorged a Batrachoseps 3-23.

SUNDAY, MARCH 27, 1938

86th
Day

4th Sunday in Lent—(Mid-Lent)

279 Days
to come

Shaw worked today.

Worked on mapping; today. got
through all cards except Washington
and Oregon.

Out to lunch.

MONDAY, MARCH 28, 1938

87th
Day

278 Days
to come

Armstrong and Brock returned today. All their material returned OK. Got very few specimens and these in poor shape - not properly slit. Very soft. Little looks interesting.

Jim worked this afternoon.

Mapped Washington records tonight and made good headway.

A large sea snake brought back by Cy Perkins

L. 809 mm.

Ht at mid body 40 mm.

Head width 28

Head length 46

Tail 80

TUESDAY, MARCH 29, 1938

88th
Day

277 Days
to come

Received a medium Calking
from Ted Myers — Pacific Beach.
Some mapping tonight

WEDNESDAY, MARCH 30, 1938

89th
Day

276 Days
to come

A little mapping tonight

THURSDAY, MARCH 31, 1938

90th
Day

275 Days
to come

Today it was clear and cool.
Went to La Mesa, El Cajon, and Lakeside,
Foster. Out by the lower road, home by
El Cajon Ave. 43 miles.

1 *Oreganus laevis* DOR Fletcher Hills
Grass.

FRIDAY, APRIL 1, 1938

91st
Day

274 Days
to come

Out to dinner tonight at Edmonds
Some mapping done at noon.

SATURDAY, APRIL 2, 1938

92nd
Day

273 Days
to come

This morning called at the zoo and Natural History museum. At the zoo head of a young Oreganus which was seen to eat a lizard.

This afternoon started for Oceanside to pick up Chickering, whose train had failed to make connections at Ocean ~~Los~~ Angeles. Started at 12³⁵; a clear warm day. Arrived at Oceanside at 1³⁵; started eastward with Chickering at 2. Went to Warner's Hot Springs via San Luis Rey, Pala, Rincon, up new south grade to Crestline. Then over to the observatory site, back to Crestline, then down the east grade to Henshaw Dam. Stopped for a while to talk to Jim Kitchen. Then to Warner's Hot Springs where we stayed for the night. Arrived at 5¹⁵. A fine clear warm almost windless day. Turned in at 8. Rather cool up on the mountain. Total miles 115.

1 *T. s. mifernalis* L DOR San Luis Rey Grass

1 *M. lateralis* L DOR Pala Brush, rocks, stream

(had just eaten a large skelly. lizard)

1 gopher L DOR Cucu mesa Grass, rocks.

A few lizards seen at Rincon. Hylas heard at Henshaw & Warner's.

SUNDAY, APRIL 3, 1938

93rd
Day

5th Sunday in Lent
Passion Sunday

272 Days
to come

Today's trip. Warners; down San Felipe Valley to Secessors Crossing; Sentenac; Borego Palm Canyon via Yagui Pass; walked up to just palms; back down the valley to The Narrows; east to Kane Spring junction; south to Westmorland, Brawley, El Centro; west to Sacramento and via the highway to Lakeview; then across to Lakeside, back over the hill to Bostonia and home via Flecher Hills. A fine clear warm day - almost hot on the desert. Total miles 234. In San Diego County 127.

Left Warners at 7⁴⁵. A few utas were seen in Sentenac and around Yagui Well. Caught a boa crossing the road at foot of Yagui Pass (call it Yagui Well) 9⁴⁵ A.M. Comfortably warm. Uta and whiptails are out in Borego. Plenty utas seen in Palm Canyon and 1 monitor. Stopped at Sand Hills east of Dry Lake and ate lunch. Found a Dip mired on a mesquite there. Think he just got there having heard me. McCallie DOR 4 mi W of Kane Spr. Junction.

1 Gopher J. DOR La Porta Rocks - brush.

1 M. lateralis M DOR Flinn Spr. Grass - brush.

Home at 5¹⁰.

MONDAY, APRIL 4, 1938

94th
Day

271 Days
to come

Took Chickering out to Lea Tolla
today. 10 miles - nothing seen.
Jim Deuel worked this afternoon.

✓ Talked to J. D. Spreckels Dodge,
F. & A. M. tonight on snakes.

Hoad reports a banded King
(boykin) City ^{reptile}. Also a large unicolor
skink (*atracaudatus*) at Colman
School, 10 mi. N of Escudido =
Moose Canyon

TUESDAY, APRIL 5, 1938

95th
Day

270 Days
to come

Rattle summary sheets have now been finished by Mrs. Leslie and Omar for standard scale counts. These have now been put in 4 books with guide cards.

Philharmonic tonight.

WEDNESDAY, APRIL 6, 1938

96th
Day

269 Days
to come

Deuel and Shaw worked this afternoon. All snakes, rattlers and others have been counted and are up to date.

Lewis from Wisconsin called today.

Ted Myers brought in a large gopher from Camps*.

Gave it to Shaw. Worked tonight on odds and ends.

* later news: it was from Jamacha.

THURSDAY, APRIL 7, 1938

97th
Day

268 Days
to come

Accounts figured tonight.

Heard today that Royal Gould was bitten in the thumb by a ruler through a sack. The circumstances are somewhat obscure as he is probably trying to hide some facts. The girl who was with him said he poked the snake. He says it struck at a shadow on the sack.

Reported by Gander

Small gophers under a plank. Lilac
Released. Noon

Large Calif. racer crossing road
escaped. Heavy with food. Lilac
Noon

Red Rattles Moose Canyon Noon
Collected - Preserved.

FRIDAY, APRIL 8, 1938

98th
Day

267 Days
to come

Called at the zoo today
State income tax calculations
tonight.

A party by the name of Organbright
got a Tremorophodon at the Narrows,
today run over but still kicking.

Reported by Gander.

1 L. + 15 Gopher DOR Rincon

SATURDAY, APRIL 9, 1938

99th
Day

266 Days
to come

Worked all day on miscellaneous items especially rearranging and expanding the data in all loose ~~leaf~~ books. Went to Marty-Ann's wedding in the afternoon.

Jim Deuel worked all day today.

(April 10th Cont.)

of the following:

Cedros Island Worm Snake

The Range of the Yuma King Snake

The Range of Xantusia henshawi

The Prairie Rattlesnake in Iowa.

Reported by Gardner

1 Ruben L. DOR Samacha

SUNDAY, APRIL 10, 1938

100th
Day

6th Sunday in Lent (Palm Sunday)

265 Days
to come

I today studied the differences between Eumeces skiltonianus and E. g. rubricaudatus. Taylor gives the following differences:

	<u>Rubri.</u>	<u>Skilt.</u>
Supralabials	Usually 8	Usually 7
Interparietal	Not usually enclosed.	Usually enclosed

Using a bunch of large unicolored specimens, and 3 with real pink tails while quite small, we find all unenclosed and all but 1 on one side with 8 supras.

Observing some clearly skilts and some questionable we find that enclosure is a poor key, for about $\frac{1}{2}$ are unenclosed. Some of the larger ones are pink, particularly below so this is a poor character except the tiny ones which are bright. But the supras are all seven except in one spec. which is 7-8 and another which is 8-8. So this is a better character than the parietal. Best of all seems to me the shape of the ^{inter}parietal. For in skilt. this is sharply wedge shaped, while rubri it is more blunt and tends more toward parallel sided, although it is not really parallel sided. Got started today on the diary notes. Finished the first draft (Continued on April 9th)

MONDAY, APRIL 11, 1938

101st
Day

Monday in Holy Week

264 Days
to come

Started from home at 7¹⁰ this morning for Los Angeles with G.G. and A.E.K. Arrived at 9⁵⁰. Cool and overcast. 54 miles in the country; nothing seen.

Returned 4¹⁰ to 7⁰⁰. 18 miles in country in daylight.

TUESDAY, APRIL 12, 1938

102nd
Day

Tuesday in Holy Week

263 Days
to come

A few miscellaneous items taken
care of tonight.

WEDNESDAY, APRIL 13, 1938

103rd
Day

Wednesday in Holy Week
Thomas Jefferson—Born 1743

262 Days
to come

Recd several statistical books today.
Recd a small rattle from Caliente Mt.,
San Luis Obispo Co.
Conferred with Omar and Mrs. Leslie
today.

THURSDAY, APRIL 14, 1938

104th
Day

Maundy Thursday (Lincoln Assassinated 1865)

261 Days
to come

Ate some Crotalus ruber today, prepared by Cy. Perkins. Some fried and rolled in bread crumbs and some saute. Tasted good - more like rabbit than chicken. a little tough because it was very fresh.

Pemberton returned today and brought all my material back and the specimens he took. He came around to the house tonight and stayed an hour and a half telling me all about his trip. Lost one of my two pistols on Marie Magdalena.

The material is contained in 8-2 qt jars + 1 live racer from Clarion. He said luck was only fair. He said Burt also collected snakes and got 2 not contained in my material a coral like snake (zepeca?) from Isabel Island and a snake with a ring on the neck (tamtilla?) from Maria Magdalena.

Pemberton has no plans for trips in the immediate future.

Perkins reports 2 DOR Specs

1 Rubber, 1 Gopher both Mission Gorge

FRIDAY, APRIL 15, 1938

105th
Day

Good Friday

260 Days
to come

Went to the zoo this noon and got
a large number of specimens.
Movie tonight.

Reported by gander.

1 Rubber DOR Yagui Well M.

SATURDAY, APRIL 16, 1938

106th
Day

Easter Even

259 Days
to come

Spent the morning reading; typewritten final copy of the head dimensions paper. 30 pages finished so far.

Worked the rest of the afternoon on miscellaneous odds and ends. Started the Hypsigena note.

Bob Hoard reported a Cal King BOR Murray Dam.

S.F. Wood collected a worm snake in Tubbs Canyon.

The following was stated re collecting worm snakes: Dig where you find a rock leaning against a parent boulder at the ground line.

Snakes reported by Shew and Devel in their trip to Tubbs Canyon and Boreys Palm Canyon April 9-17.

Boyles King Boreys Palm Canyon

" " Tubbs "

Red rattler

"

"

SUNDAY, APRIL 17, 1938

107th
Day

Easter Day

258 Days
to come

Completed more notes.

This afternoon Bob Hoard called with the specimens he had collected in southeastern Sonora. There were two snakes and a good series of lizards. He reports the road quite good as far as Guaymas.

The season was too early for good collecting. Quite cold at night. He reports that the snakes in that area come out after the rains in July. In the Hermosillo area probably May would be the best season.

He did not shoot specimens but caught them alive with the help of Mexican kids.

He had only 1 DOR record not represented by a specimen: 1 Sidewinder 12 mi E. of Holtville.

MONDAY, APRIL 18, 1938

108th
Day

Monday in Easter Week

257 Days
to come

Heard Prof. Allen of Cornell
talk on Hudson Bay birds tonight.
at the meeting of the Fellows.

Sherwin told me today that his
wife found in their garden at Point Loma
about 2 weeks ago 2 balls of ringneck
snakes each about as big as her
fist and guessed to contain 20 snakes.
They were just below ground surface
and were dug up. They were not
dormant and ~~cal~~ crawled quickly
away.

at the Rotary Club at Escondido
I was told that shrikes impale
both lizards and small snakes
on barbed wire fences and thorns.
They don't seem to return to eat them.
Mostly garter snakes.

Reported by Gander

2 Garter Ramona escaped. Noon
1 Gopher S. Flinn Apr. Not collected.
3 P.M.

1 Garter Murphy Canyon, Collected. 8 A.M.

1 Patchnose L. Japoteul 2:30 P.M.

Collected & preserved

TUESDAY, APRIL 19, 1938

109th
Day

Tuesday in Easter Week
Patriots' Day (Mass., Me.)

256 Days
to come

Today I went out to inspect line's and substations at Del Mar and Escondido. New storeroom at Escondido. Attended Rotary there. Started at 10; returned at 3. Foggy along the coast; clear and warm in the back-country after several warm days. Went out via Morena to Del Mar, then Hodges to Escondido, then home via Poway. Total miles 69

- 1 Red Racer J DOR Morena grass
- 1 Gopher L " Rose Canyon grass
- 1 Bufo. b. h. " " Del Mar
- 1 Boyles K J " Rancho Santa Fe grass
- 1 " M " " "

(Contained both lizard and mammal runs)

- 1 H.T. DOR Del Dios Saved
 - 1 Garter M DOR Escondido Orchard
- Plenty squashed toads Del Dios to Escondido

- 1 Alligator Lizard DOR Escondido
- 1 Gopher M DOR Lake Hodges Brush.
- 1 Ruler L " " " Grass-Brush.
- 1 Ruler S " " " Top Poway grade Brush.
- 1 Gopher M " Miramar Brush
- 2 Alligator L. " Camp Kearney mesa
- 1 Red Rattle M " Mission Valley Brush.
- 1 Gopher S " " " "
- 1 Red Rattle S " " " "

WEDNESDAY, APRIL 20, 1938

110th
Day

255 Days
to come

Talked to the Reptile Club tonight
on the Snakes of San Diego County.
About 65 present

Jim Reuel worked this afternoon
and pickled many specimens, so many
we were almost late to the meeting

Chas Shaw tried puncturing a chuck
in the field but could not deflate it.
Punctured it 7 times.

THURSDAY, APRIL 21, 1938

111th
Day

Spanish American War Began 1898

254 Days
to come

Drove to Los Angeles this morning with Mr. Ralser to attend business meetings. Returned in the evening.

FRIDAY, APRIL 22, 1938

112th
Day

253 Days
to come

Chas Shaw worked all after noon
and late into the evening.

Miss Gates finished copying the
head length paper today.

B.C. Cain phoned tonight.

Checked up at the Zoo and WH
this noon.

Worked on catalog entries tonight.

SATURDAY, APRIL 23, 1938

113th
Day

252 Days
to come

Spent the day identifying Bob Hoard's Sonora material, preparing the head length paper for the press and other miscellaneous work. Made fair progress.

B. C. Cain of Oakland called in the afternoon. He is on his way to the desert. Loaned him a Winchester single shot.

Chas. Shaw worked all day and made good headway counting scales. Every rattles is counted up to date and the harmless snakes that are usually counted, nearly so.

Boget phoned from L A tonight.

SUNDAY, APRIL 24, 1938

114th
Day

1st Sunday after Easter (Low Sunday)

251 Days
to come

Chas Shaw worked today. Everything has now been counted to date.

Worked on horned toads this morning: the obscure - douglassii relationship.

This afternoon after lunch at La Jolla drove to Hodges Dam, San Pasqual Ramona and home. With Ed and Ky. Had expected to go to Borego but it was cloudy and cool - clearly too cold for a desert trip. Started at 3³⁰; home at 6¹⁵. 91 miles.

1 American Bull frog DOR 3 mi S of Lake Hodges.

1 Patch nose M DOR San Pasqual Brush

1 Ruler M DOR Clarence's grade Brush.

1 Gopher L DOR Shady Dell Grass

1 Gopher M DOR Foster Grass.

Gardner reports a large red rattlesnake and a garter from Moosa canyon. Garter preserved; rattlesnake sent to Biological Survey.

MONDAY, APRIL 25, 1938

115th
Day

St. Mark

250 Days
to come

Today I received an adult red rattler from Guy Perkins, caught at Lakeside. Gave it to Bogert.

Bogert with his wife and Miss Work came in at about 2³⁰, stayed for supper and then left at 8 for the desert. Had a fine time discussing this and that. Learned all the eastern herpetological news.

Deuel reports *Uma notata* from near Benson's Dry Lake.

Reported from Reptile Club Trip of 4-24

- | | | |
|---------------------------|-----------------------|-------------------|
| 2. <i>C. ruber</i> | Moose Canyon | |
| 3. <i>T. vandenburghi</i> | " | " (1 large) |
| 2. Boas | " | " (1 very large). |
| 1. <i>C. lateralis</i> | " | " |
| 1. <i>T. hammondi</i> | " | " |
| 1. <i>P. c. annectens</i> | " | " |
| 1. <i>S. g. virgatus</i> | (observed by gander). | Moose |
| 1. <i>C. lateralis</i> | DOR | " |
| 1. <i>C. ruber</i> | DOR | Poway |

The large boa was taken by Miss Sprague; the trimorphodons, 2 by Deuel, 1 by Hobart.

TUESDAY, APRIL 26, 1938

116th
Day

249 Days
to come

Miscellaneous odds and
ends tonight. Finished proof-reading
the head length paper.

First postmaster card returned
today.

WEDNESDAY, APRIL 27, 1938

117th
Day

U. S. Grant—Born 1822

248 Days
to come

10 cards returned today.

Western Yellow-bellied Racer. Santa
Isabel DOR Reported by Gander

THURSDAY, APRIL 28, 1938

118th
Day

247 Days
to come

6 cards returned today.

Cook reports a gopher S DOR
on Reynard Way

Trip of Cy Perkins and Shaw to the
Desert May 5.

- 1 Platyrrhinus at Yagui Well
 - ✓ M^cCallie 3 mi N. of Borego P.O.
 - ✓ Sidewinder DOR Borego Valley
 - 1 M^cCallie Borego Valley.
 - 1 Sonora Caught on 4 mi. W of Bensons 7⁰⁵
lights just on.
 - 1 Leaf nose 8 mi. W. of Bensons 7⁴⁵ on shoulder
 - 1 Sidewinder Bensons 9⁴⁰ on shoulder COR
 - 1 Callie " 9⁴⁵ " "
- Got 12 geckos.

FRIDAY, APRIL 29, 1938

119th
Day

246 Days
to come

16 Postmaster cards returned today.

Cold and windy with rain squalls.
No use considering a week-end
trip.

Out to dinner tonight.

Gave the head length paper to Abbott
today all ready to print.

At the zoo at noon.

Started Omar on the brood
records

SATURDAY, APRIL 30, 1938

120th
Day

245 Days
to come

8 Postals returned today.

Worked on a lot of odds and ends cleaning up and made good progress.

Shaw and Deuel both worked today. Pickled specimens and put everything away. Everything counted except those pickled today. Started to tag the Pemberton and Perkins collections.

Armstrong came down from L.A. Bought his specimens although they are pretty poor. Only a few and those mostly badly preserved. But they were new at the business and had hard luck.

1 Striped Racer LOR Torrey Pines
Reported by Gander.

SUNDAY, MAY 1, 1938

121st
Day

2nd Sunday after Easter
St. Philip and St. James

244 Days
to come

Miscellaneous work again today.
A cold rainy day. Sorted out broods
for Omar's tabulation. Finished studying
the *Phrynosoma orbiculare* series
belonging to USNM

Noted *P.o. orbiculare* belonging
to R.T. Moore of Pasadena from
Mt. Mohinora at about 8000 ft in
extreme southwestern Chihuahua.

MONDAY, MAY 2, 1938

122nd
Day

243 Days
to come

3 Cards returned today

Worked on Prof. Puzzlewitz tonight.

(May 7th Continued)

1 Red Racer L DOR Linnie, Inyo Co, saved
Desert.

Arrived at Olancho at 4⁴⁵. Quite cool.
About 70°. Some breeze. Certainly didn't
look good for the evening.

1 Patch Nose L DOR Linnie, Inyo Co. saved.
Desert. mammal hair.

Now drove south on US 395. Ate
supper at dusk by the roadside at
Teresa, Kern Co.

1 Calley DOR Teresa, Kern Co

1 Platyrrhinos DOR Teresa, Kern Co

at 6⁴⁵ dusk it was 72° F.

1 Platyrrhinos DOR, San Berdo Co, Fremont.
Reached Kramer Junction at 8²⁰, 64° F

1 Long nose DOR but still squirming
Kramer, S. Berdo Co, saved.

1 Boyles King M DOR 10 mi. S. of Kramer
Saved

1 Platyrrhinos 5 mi N of Adelanto, S. Berdo Co.
Reached Miller's Corner at 9³⁰; temp 56° F.
Arrived at San Bernardino at 10¹⁰.
Miles today 297. A cold and
disappointing evening.

TUESDAY, MAY 3, 1938

123rd
Day

242 Days
to come

Put on Prof. Puzzlewit stunt at electric club today.

Worked on accounts tonight; also preparatiun for tomorrows trip

No cards returned today.

Perkins trip to Borego, May 7th
left home at 3 P.M.

1 Gopher DOR Ballena.

Reached County line at 6³⁰

1 gecko 4 mi. E. of narrows at 7⁰⁵

1 *Platyrrhinus* DOR. 2 mi. E. of narrows.

Got a total of 10 geckos. Not a snake in the desert DOR or alive.

Total miles of evening driving in the desert 45. Hit the Narrows homeward bound the second time at 9²⁰

WEDNESDAY, MAY 4, 1938

124th
Day

241 Days
to come

Started for San Francisco this afternoon at 1⁰⁵. Clear and warm but after several days of cold weather. With Gg and Mrs. Pff.

53 miles to the County line - nothing seen.

Went via Sunland and Tujunga.
1 Red Race, 1 DOR Pacomia, 1 ACo. Black head. Orchard.

1 Gopher 1 DOR. Castaic Grass

Turned west just beyond Wheeler Ridge PO on State Highway 166 via Taft, McKittrick, Blackwelder's Corner and thence to Paso Robles on US 466, where we spent the night. That part of the road on the west side of the San Joaquin Valley looked fine but not a thing was seen. It was evidently too cool and too soon after cold weather. We were traveling fast and might have missed a small snake but certainly would not have missed a large one. Had much trouble with the car overheating and was seriously worried. Didn't discover until next day that the radiator shutter was closed tight. Arrived at Paso Robles at 9¹⁵. Miles today 337

THURSDAY, MAY 5, 1938

125th
Day

240 Days
to come

Started San Paso Rubles this morning at 8²⁰. Cool and windy. Not a thing seen all the way to Palo Alto. Arrived at 12⁴⁰. Had much engine trouble and had to fill the car with water frequently. Had it fixed in Palo Alto while lunching. Mrs. Pfeff went on to San Francisco by train.

Talked to Philip in the early afternoon, then saw Nate of the Stanford Press about the head dimensions paper. He can't get it out for two weeks at least.

In the evening was initiated into Tau Beta Pi and gave them a talk on monitors and inventions after the dinner.
Miles today 199.

FRIDAY, MAY 6, 1938

126th
Day

239 Days
to come

Left Pally for San Francisco this morning at 8⁴⁰. Clear and cool. Arrived at 9⁴⁰. Conferred with Fox. Met gey at the Palace at 12 and left immediately for Berkeley. Spend 1 $\frac{1}{4}$ hrs at MVZ. Saw Grinnell, Ritter, T.S. Palmer, and Rodgers. Had quite a chat with Palmer about the Death Valley expedition of 1891. Rodgers is working on *Cnemidophorus* and *Eumeces*. He is using statistics and is interested in some of my forms.

Left at 3. Went via the new Broadway Tunnel, Walnut Creek, Dublin, and Tracy, Manteca, and Smith on 99. Had supper at Fresno at 8. It was fairly warm but not a thing was seen. Might have passed up a couple because of the high speed.

Arrived at Bakersfield at 10⁵⁰; quite cool now. Put up at the Motel. Miles today 348.

SATURDAY, MAY 7, 1938

127th
Day

238 Days
to come

This morning started for Walker's Pass at 8³⁰. It was clear and quite warm.

1 *Crotaphytus silus* DOR Loma Park.

Hunted and for a short time in granite at the canyon entrance 12 miles E. of Bakersfield.

1 *M. lateralis* L DOR Hobo Hot Springs. Skellies were seen here. Not collected.

Hunted near Isabella. Got skellies and utas. Saw utas and whips.

Stopped 4 mi. E. of Onyx. Here there are plenty of tree yuccas. The first were only a couple of miles west. Got 2 *Xantusia viridis*. Saw one under the first dead yucca and lost him. Was encouraged to keep trying but it was hard to get any as they seem scarce. Saw utas and skellies.

Hunted in rocks 10 mi. E. of Onyx. This is called Canebroke and is in Weldon Valley. Got skellies here.

Hunted in yuccas just east (a few hundred yards) of Walker's Pass (5248 ft). X.v. were more plentiful than near Onyx. Also saw utas.

1 Leopard Lizard DOR Freeman Junction.

From Freeman Junction we drove north on US 395 to Olancho
(Continued on May 8)

SUNDAY, MAY 8, 1938

128th
Day

3rd Sunday after Easter
Mothers' Day

237 Days
to come

Started home from San Bernardino
at 8¹⁵. A warm clear day.

1 Gopher J DOR March Field fields
1 Red Racer L DOR bet. Paris and Elsinore
lt. brush.

1 Red Racer L DOR North Elsinore, Yellow color,
lt. brush

1 Red Racer M DOR North Elsinore Saved. lt. brush

1 Long nose M DOR " " " Grass.

1 Gopher J DOR Sedco Grass.

1 M. lateralis J. DOR Rainbow Brush-grass

1 " M " Fallbrook grass

1 " L " Bonsall Brush.

1 " M " " Richards

1 Gopher M " Buena Grass

1 Garter L " " "

1 Boyles King L " Poway "

Reached home at 12¹⁵

Miles in the county 65. Miles today 129.

Total miles for the trip 1313.

Spent the afternoon and evening
catching up all work.

Cook called this evening with
several lizards and a DOR *Salvadora*
from Barona

Chas Shaw worked today.

MONDAY, MAY 9, 1938

129th
Day

236 Days
to come

Cannon brought in a medium Boyles
King from El Ceyon.

Jim Deuel worked this afternoon.
Went to the Fellows meeting at La
Jolla tonight

✓ Cards returned today

Reported by Gander

→ T.o. hammondii Hidden Glen

1 ~~Ex~~ Ruber

"

C.t. stejnegeri

"

S. orcutti

"

not entered

S.o. bisinatus

"

no tags

G. multicastratus

"

G. stansburianus hesperis

"

P. b. blairillii

"

TUESDAY, MAY 10, 1938

130th
Day

Confederate Memorial Day (N. C., S. C.)

235 Days
to come

Chapman called up today —
returned yesterday.

Miscellaneous work tonight.

Went to El Cajon Rotary this
noon. Warm day. 30 miles. Nothing
seen

Reported by Gander May 12
1 M. lateralis LOR San Diego

WEDNESDAY, MAY 11, 1938

131st
Day

234 Days
to come

Went to La Jolla today. 30 mi. 1 snake
crossed road at 7 Points. Couldn't tell what
it was. Probably gopher.

1 Gopher J. DOR Rose Canyon grass.

Jim worked this afternoon.

Move tonight

Perkins Trip of May 51

A cool rather breezy evening. Moon dark.

1 Red Racer DOR. Yagui Well.

Lights on at 7⁰⁵

1 Leafnose COR Dry Lake 8⁰⁸

1 Leafnose DOR " 8¹²

1 " COR 2 mi E. of the Narrows. 8³⁵

1 " " 3 " " " " 9⁰²

1 " DOR 4 " " " " 9⁴²

1 Sonora COR 3 " W " Bensons 9⁵⁵

1 " COR Bensons 10¹²

1 " DOR " 10¹⁵

1 Leafnose DOR 4 mi. E. of the Narrows.

1 Arizona COR 2 mi W " " 11⁰⁰

Very cold.

Total miles desert night run 52 mi.

THURSDAY, MAY 12, 1938

132nd
Day

233 Days
to come

Went to Los Angeles today on business. Started at 7¹⁰ and arrived at 10¹⁰. Saw at least 2 dead snakes but travelled too fast to check anything. Returned 3³⁰ to 6³⁰. In the back seat so observed nothing. Got a shipment of new jars today.

Cly reported a red racer DOR at Riverview.

(May 13th Continued)

- 1 Platyrrhinos DOR 11 mi. E. of Co line.
- 1 Sidewinder DOR. Truckhaven, Imp. Co
- 1 Red Racer DOR Oasis, Riverside Co.
- 1 Gopher DOR Thermal, Riv. Co, saved.

Arrived at Indio where we put up at an auto court at 11⁴⁵, 90°F. Full moon always except for the eclipse which started about 11. The last part of the evening was at fairly high speed. May have missed some. Did pass up a few geckos.

30 miles in daylight in SD Co

25 " desert night travel in SD Co

85 " " " altogether

Total miles for the day 155

Got Huey's Arizona specimens today. A good lot, from east of Topock.

FRIDAY, MAY 13, 1938

133rd
Day

232 Days
to come

Today left for the desert with Cy Perkins Jr. left at 6 P.M. Cool and quiet.

30 miles in daylight in San Diego County. Nothing seen. Hylas were heard at Ramona, Sutherland, Ballena, Witch Creek, Wynola, Julian, Banner, and San Felipe. Arvicolor was heard in Pentecost.

Reached Sessions Crossing at 8¹⁰. It was clear and with a full moon. Warm and quiet. 79°F. (all readings corrected)

- | | | | |
|------------------|-------------------------|-----------------|-------------|
| 1 Arizona L COR | San Felipe | 8 ¹⁵ | 80°F |
| 1 Longnose L COR | Yagui Well | 8 ⁴⁰ | 86°F Breezy |
| 1 Leafnose M DOR | The Narrows | 8 ⁵⁰ | 86°F |
| 1 Gecko DOR | The Narrows | 8 ⁵⁵ | |
| 1 Sonora COR | 4 mi. E. of The Narrows | 9 ⁰⁵ | 87°F |
| 1 " " | " " | 9 ⁰⁸ | 87°F |

breezy at this time.

- | | | | |
|------------------|-------------------------|-----------------|------|
| 1 Sidewinder COR | 6 mi. E. of the Narrows | 9 ¹⁰ | 90°F |
|------------------|-------------------------|-----------------|------|

- | | | | |
|-------------|-------------------|-----------------|------|
| 1 Gecko COR | Benson's Dry Lake | 9 ³⁰ | 90°F |
|-------------|-------------------|-----------------|------|

Desert miles of night collecting in S.D. Co. 25.

- | | | | |
|-----------|---------------------------|--------------------|-------------------|
| 1 Dip COR | 2 mi. E. of Imp. Co. line | at 9 ⁴⁰ | 92°F medium size. |
|-----------|---------------------------|--------------------|-------------------|

Quite active.

- | | | | |
|--------------------|-----------------------|--|--|
| 1 Platyrrhinus DOR | 9 mi. E. of Co. line. | | |
|--------------------|-----------------------|--|--|

- | | | | |
|--------------------------|---|--------|--|
| 1 Gecko COR (stubbytail) | " | 10 PM. | |
|--------------------------|---|--------|--|

(Continued on May 12)

SATURDAY, MAY 14, 1938

134th
Day

U. S. Constitution Drawn up 1787

231 Days
to come

Started out from Indio this morning at 8³⁰.
It was clear and hot.

We first visited Walker's Snake Pit at Indian Wells.
He said the largest Cinereous he had ever caught
out of 7000 in 7 years was 5'7". He had a
nutch from 5 mi. up the Palma to Pine's Highway from
the junction. Sidewinders are best hunted at
sun-up. They are trailed to the end of their tracks.
If you go out too late they have already gone
down mammal holes for the day. Snakes seem
less plentiful now in the sandhills about
Indian Wells than they were a few years ago.

1 Gully shot at Cathedral City

1 Donora DOR " " Sandy desert

1 Arizona L DOR Palm Springs Brushy desert. Saved

1 Gopher M " " " " "

1 Arizona M " " " " "

1 " L " Palm Springs Station Sandy desert

Reached the Morongo Road junction, now called
Alameda at 10⁰⁵. Now quite hot.

1 Whiptail shot 5 mi. N. of Alameda

1 Red Rattles DOR 1 mi. S. of Morongo Lodge. Brush.

Saved head. This probably first specimen from
San Bernardino Co.

1 Red racer M DOR Morongo Valley Brush.

Hunted at the upper end of the Morongo Valley
and got utax, whip, and xantusia vigilis.

(Continued on March 21)

SUNDAY, MAY 15, 1938

135th
Day

4th Sunday after Easter

230 Days
to come

Started from Indio at 8⁵⁰. Warm and overcast. Windy. Was very windy early this morning.

Took a run up the La Quinta road and looked at a couple of sandhills. Negative.

Turned off up the grade at 9³⁰

1 leaf nose DOR 3 mi. S. of the Junction Bushy desert

1 Mitch L DOR 7 " " " " Rocky side hill

1 Whiptail seen 6 mi. N. of nightingales

1 Cally " 3 " " " "

rather high to expect a cally

1 Worm snake L DOR 2 mi. N. of nightingales

Rocky hillside. Saved.

1 Mitch L. DOR Redwood Bush & rocks

Hunted in Cahulla Indian Reservation in

rocks at 2 or 3 points. Got 3 horned toads

and several lizards. Orcuttia are

exceedingly wary.

3 med red rattlers DOR 3 mi. N. of Aguanga.

Brush and granite. 1 contained mammal

hair. Skelley seen here.

Caught a large very red red racer 4 mi. W. of Aguanga. Got him in the brush.

1 Pacific Rattle DOR 6 mi W. of Aguanga grass

ate lunch at Drapping Spring. Skelley seen here.

1 Red Racer DOR 8 mi. E of Temecula. Fields

1 striped racer DOR Fallbrook. Orchards.

The rest of the trip was cold and misty. Arrived home at 34⁵. Miles in country 69; today 151; trip 493.

MONDAY, MAY 16, 1938

136th
Day

229 Days
to come

Hoard reports a California King
from S.D.

Heard at the reptile club tonight:
Chucks cant be deflated by puncturing.
Coyotes eat rattlers.

Orcutt was seen in a tree quite a
distance from Granite at Glen Hoxely.
The natives in certain parts of South
America think that geckos bite sea-
lions and kill them quickly.

Saw specimens of *Bufo californicus*
from Mission Gorge.

Checked up with Mrs. Leslie and Omar
today. Omar needs work. Got my guns
and collecting materials from Tony Green.

Recd a *Phyllorhynchus browni*,
a female from Vic Householder today.

(May 20th Continued)

1 Leafnose L COR Coline (= Bensons) 70°, 9:4, Windy

1 Sonora L COR Coline 9:19, 70°, Windy.

Met Miss Sprague, Chas Shaw and others at
this point. They were having a fair evening.
Reached the County line at 9:21^{at 9:50} and Kane Spr. Junt.

1 Patchnose DOR Westmorland. May have lost a
lute snake at this point. Reached Brawley at 11. Put
up at Planters Hotel. Cool and breezy. Tired and eyes
hurt. Note sharp contrast east of Coline. Miles in SD
Co in daylight 43; night in SD Co. 24. Total night 62, Total today 123.

TUESDAY, MAY 17, 1938

137th
Day

228 Days
to come

Went to El Cajon Rotary this noon.
55 miles. Nothing seen. Cool and
cloudy with rain in the mountains.

Perkins Trip to the Desert May - 18

1 Gecko at Dry Lake - Hard wind blowing

1 Sonora COR 6 mi. E. of the Narrows 745

1 " " 5 " " " " 750

1 Leafnose " 1 " " " " " 813

1 Sonora " 2 " " " " " 816

1 " " 4 " " " " " 830

1 Sidewinder Dry Lake 845 67°

1 Leafnose 3 mi. W. of Dry Lake 915 67°

1 Glossy 4 " E of the Narrows 925

1 Glossy DOR Yaqui Well

Total miles evening drive 32
Got a total of 12 geckos

Out to Dennis tonight.

(May 21 Continued)

Of Palm Springs - Indio and Palms to Pines highways. Had a fine afternoon talking over Cowles' experiments and other matters.

Started out again at 4²⁵. Cool and windy. Drove down to Mesca and then to Shaver's Summit where we ate supper.

- 1 Gopher L DOR 4 mi. S. of Indio. Low brush desert
- 1 McCallie DOR 3 mi. E. of Mesca.
- 1 Patchnose L DOR Shaver's Summit. Greasewood desert.

Started west at 6⁴⁰. Quiet. Just sundown.

Went at high speed to junction with aqueduct road a couple of miles out from 99 on 60-70.

Then started the real evening drive at 7¹¹.

It was dusk, not quite dark. Some breeze - 80°.

As the evening wore on it cooled rapidly and a strong wind came up. No moon tonight.

- 1 Sonora L COR at 1 mi. N. of this junction
- Call this 3 mi. E. of Indio. 7¹⁶ 80°

- 1 Gecko COR 7²² Same.

Went up the first camp branch and got a good catch. 7³³, 78°. Brush and rocks. Very little wind up the canyon. Not quite dark. Fazio Canyon.

- 1 Sonora COR at Berdo's Canyon Branch.
- (Continued next page).

THURSDAY, MAY 19, 1938

139th
Day

226 Days
to come

Out to Ed Lucas's Birthday Dinner tonight.

Checked up at the Zoo today. Also with Mrs. Leslie and Omar

(May 21 Continued from May 18)

7⁵⁹, 78°, strong breeze.

1 Phyllorhynchus Berdo Canyon Branch COR

8³⁸ Very quiet here. 78°

Tried the Pushawalla Branch but this was rough so turned back.

1 Phyllorhynchus COR Fanhill Branch.

9¹¹, 72°F, some breeze. This one given to Cowles.

After 9 it was quite windy and cold.

1 Phyllorhynchus COR Wide Canyon Branch

68°F, almost no wind up the canyon 9⁴⁰

1 Phyllorhynchus COR same as above.

1 Platyrrhinus DOR 5 mi. E. of Garnet

1 Arizona M DOR Garnet.

1 Red Racer DOR Palm Springs Station

1 Patchnose L DOR do

1 Sonora L DOR 4 mi. N of Palm Springs saved

1 " L " Cathedral City

1 " L " 4 mi. N. of Indio

1 " L " 2 " " " "

There had evidently been more snakes out in the shelter of the ^{mountain} valley than across the valley.

Reached Indio at 12¹⁵. Cold and windy. Morning drive

96. Afternoon 59. True night desert 97. Total today 255

FRIDAY, MAY 20, 1938

140th
Day

225 Days
to come

This evening with Frank gander started for the desert with Frank gander. Part cloudy and cool after several days of cloudy, cool and even rainy weather.

1 Salvadora M DOR Lakeside grass

1 Garter M DOR Ramona grass

Dusk at Ballena. Dark, cold, and heavy fog at Tuleain.

Reached Benson's Crossing at $7^{\circ}40'$. Cold and windy 62°F (all temps corrected). No moon

1 Gecko Yaqui Well 62° $7^{\circ}55'$

1 Gecko COR Yaqui Well $8^{\circ}03'$, 62°

1 Spotted night COR The Narrows, $8^{\circ}08'$, 62°

a hard cold wind blowing.

1 Gecko COR The Narrows $8^{\circ}12'$. Very windy

1 Longnose COR The Narrows $8^{\circ}16'$. " " 64°

1 Sonora DOR The Narrows $8^{\circ}20'$ Saved.

1 Platyrrhinos The Narrows

Reached the Narrows at $8^{\circ}46'$ 64° Windy.

1 Worm Snake COR The Narrows $8^{\circ}49'$ 64°

1 Gecko COR The Narrows $8^{\circ}51'$ 64°

1 " " " $8^{\circ}53'$ " Very windy.

1 " " 5 mi. E. of The Narrows $8^{\circ}45'$ 66°

1 Leafnose L " " " " $8^{\circ}49'$ DOR (Squirming)

1 Gecko COR $8^{\circ}50'$ 6 mi. E. of The Narrows. Very windy.

1 Sonora COR Benson's Dry lake $9^{\circ}04'$. 69°

Very windy. Also a uta stans here.
(Continued on May 16)

SATURDAY, MAY 21, 1938

141st
Day

224 Days
to come

This morning Gander found 2 DOR gophers in Brawley before I got up.

We left Brawley at 7³⁵. Clear and warm.

1 Gopher COR Rockwood, 8⁰⁵, alfalfa fields
1 " DOR " " " "

1 Bufo woodhousii DOR Rockwood.

1 Rana pipiens DOR Calipatria

1 Gopher DOR Calipatria fields

1 " L " Estelle "

1 Red Racer L Lost on the road Estelle, fields

1 Bufo woodhousii DOR Estelle

1 Red Racer L DOR Estelle fields

Uta seen on the road at Niland

1 Leopard lizard shot on the road at Niland.

Contained whiptail remains

Hunted at Water, Imp. Co. got calley - saw uta

" " Pope, Imp. Co. got uta - saw calley

" " Dalton, Riverside Co. got Calleys

" " Mortons, " " Saw callies and dips.

Noted dips at Caleb Siding, Riverside Co.

The east side of the Dalton Sea is very barren. Presumably would be poor at night.

We went up to Cowles' camp above Indian Wells where we arrived at about 11.

We went back to Indio, took a room at an auto camp and talked herpetology until after 4.
A locality worthy of note. Ruber at junction

(Continued on May 18)

SUNDAY, MAY 22, 1938

142nd
Day

5th Sunday after Easter (Maritime Day)

223 Days
to come

Started home from Indio via the Palms to
Pines highway, Hemet, Winchester, Temecula,
and US 395 at 545. Clear and warm.
1 Sonora L DOR Indian Wells saved.

Date orchards.

1 Red Racer L DOR 4 mi. S. of Winchester
Fields - light brush.

1 Pacific Rat. M. DOR Vista Brush.

1 Cal King DOR M Buena Orchards.

1 Gopher M DOR San Marcos Grass.

1 M. lateralis L DOR " Orchard-grass

1 Garter M DOR " Vineyard-field.

1 " M DOR Pousay Grass.

1 M. lateralis L DOR Mission Valley.

Reached home at 1015. Clear and warm.

Miles in S.D. Co. 70. Total today 166

Total for the trip 554. The lack of specimens
along the road and especially over
the Palms to Pines highway shows how
the cold weather of the last few days has
curtailed reptile activity. Last night's
poor results were typical.

Spent the afternoon and evening
catching up.

Shaw worked today and yesterday.

Robt Hoard reports a DOR Red racer
at Rosanta Beach, B.C.

MONDAY, MAY 23, 1938

143rd
Day

Rogation Day

222 Days
to come

Spent the evening getting ready for tomorrow's trip.

Geo. Fishburn called. Talked collecting and set aside supplies for his prospective tuna clipper trip.

Gander reports

3 garter snakes seen Proctor Valley ^{near} Jamul
1 Calif King collected " " "

TUESDAY, MAY 24, 1938

144th
Day

Rogation Day

221 Days
to come

Started for San Francisco with Shorty
at 9⁴⁰ AM. Clear and warm.

- 1 Gopher L DOR Rose Canyon Grass
- 1 Boyles King L DOR Torrey Pines Brush
- 1 Calif. King Med DOR Ponto Grass
- 1 Arizona (dark) M DOR El Tono Fields
- 1 Banded Racer M DOR La Crescenta, LA G

Orchards

- 1 Boyles King L DOR Tujunga Wash, Brush
- 1 Arizona L DOR (dark) 4 mi. N.W. of Sunland
Grass, brush.

- 1 Banded Racer M DOR San Fernando. Orchards
- 1 Arizona M. DOR 4 mi. N. of Wheeler Ridge P. Grass
- 1 " L " Reed Station light brush.

- 1 Gopher L " " " Grass Plenty
- 1 Longnose M " Wible, Kern Co, Fields. red.
- 1 Gopher S " Califa, Madera Co, Fields
- 1 Gopher L " 5 mi. W. of Califa, Madera Co, Fields.

Paired head.

Park at Los Baños. *Hyla regilla* heard
at Los Baños and Gilroy.

Reached Palo Alto at 10¹⁵. Put up at the
President. Talked to Philip until midnight.

54 miles in S.D. Co.

501 miles total..

WEDNESDAY, MAY 25, 1938

145th
Day

Rogation Day

220 Days
to come

Saw Nite at the Stanford Press
a few moments. Missed Myers.
Started for San Francisco at 9¹⁰.
1 Gopher L. DOR Atherton grass
1 Gopher L " Burlingame "
Others were seen but could not stop.
Attended a meeting 10³⁰ until 2 P.M.
Saw Levin in the afternoon and
talked over this and that.

Gander reports:

1 Gopher L DOR Fallbrook grass
1 " L " Bonsall Brush-wood

THURSDAY, MAY 26, 1938

146th
Day

Ascension Day

219 Days
to come

In San Francisco at PECA Convention.

Perkins Trip of May 28th

1 Boa DOR Small Santee

1 Boa caught "

1 Gopher DOR Rutherford

1 Boa DOR Wynola Sentenac Canyon

1 Trimorphodon DOR ~~Sassier's Crossing~~

71° at Yagui Well.

1 Baby Boa caught 8¹⁰ The Narrows 73°

1 Sonora caught 8²⁵ " " 75°

1 Leafnose DOR 4 mi E of " "

1 " " 5 " " " "

1 " " Dry Lake.

1 Sonora caught " " 9⁰¹

1 Red Racer DOR " "

1 Sonora caught of 9¹⁰ 78° at 9¹⁵

1 Arizona COR 9²⁵ 5 mi E of The Narrows

1 Sonora " 9²⁷ " 74°

1 Sonora " 9⁴⁵ The Narrows

1 " DOR Dry Lake

1 Leafnose " The Narrows.

1 Sidewinder "

1 Sonora " "

1 Spotted Vite COR Sentenac 11²⁰ 69°

1 Arizona COR Sassier's Crossing 11³⁰

Also 11 geckos.

FRIDAY, MAY 27, 1938

147th
Day

218 Days
to come

PECA convention in the morning.

Started for Reno at 3³⁰. Cloudy and sprinkling.

- 1 Gopher L DOR Rodeo, Contra Costa Co., Grass.
- 1 Mud Turtle, seen on the road, Floridan, Solano Co.
- 1 Gopher M DOR Soda Springs Creek, Solano Co
Orchards and Fields. Mammal remains
- 1 Gopher M DOR same place. Orchard and fields.
- 1 Gopher M DOR Tremont, Solano Co, fields.
- 1 Gopher L DOR Newcastle, Placer Co, Orchard.

Agueing. Sowed.

- 1 Gopher L DOR Applegate. Brush and pine trees.

- 1 Horned Toad L. DOR. Applegate, Placer Co.
Brush and Pine trees.

From here on in the mountains it was ~~dark~~. Very cold. Some fog; some drizzle. Soon got dark. Cold and windy at Reno. Said to be colder than it had been for several days. Plenty large snow banks along the road in the mountains.

Arrived at Reno at 9⁴⁵. Ate a late

supper and turned in.

Miles today 229.

Gander reports:

- 1 Gopher M DOR Glenview Bldg
- 1 Gopher S SOR Cuyamaca Trees - brush.
- 1 *Sateralis* L Rattlesnake Valley - Escaped.
- 1 W.Y.B. Meadow at Cuyamaca Lake.

SATURDAY, MAY 28, 1938

148th
Day

St. Augustine of England

217 Days
to come

This morning we started from Reno at 9³⁰. It was part cloudy and cold. It had rained last night. The temperature at 10 AM was 55°. Tough luck.

Skelly seen at Washoe, Washoe Co. Hunted in rocks at Baker's, Washoe Co at 9³⁰, 60°F, and got several skellies sunning themselves on the rocks. Still cold and windy. NO DORs where many were seen last summer.

1 Gopher S. DOR Carson City, grass.

1 *T. o. infernalis* L DOR Minden, Douglas Co, nev. Plenty red. gardens.

1 *Taeniatus* Shot in the brush by Shorty where we hunted for a while at Topsy Lake, 2 mi. S. of the State Line. This was a brushy-rocky area and the lizard hunting was good. Whips were especially plentiful; we also got utas, skellies and a leopard lizard.

Skelly seen at Rancho San Carlos, Mono Co.

From here on until we reached Sherwin Grade, north of Bishop it was too high and cold for reptiles. This was about 100 miles.

(Continued on Jan. 1)

SUNDAY, MAY 29, 1938

149th
Day

Sunday after Ascension

216 Days
to come

- This morning we left Barstow at 11 AM.
It was clear and warm - not hot. Some breeze.
- 1 Leopard lizard DOR Barstow
 - 1 Whiptail collected at mace, S.B. Co
 - Magister seen here.
 - 1 Platyrrhines, mace, DOR, saved.
 - 1 Leopard lizard DOR, Hawes, S.B. Co., saved
 - Plenty orange.
 - Also caught a pair of phe's here.
 - 1 Whiptail shot at Hawes
 - Cally DOR at Hawes and Kramer.
 - 1 Leopard lizard DOR Kramer Junction Saved
 - Contained a utta and stomach worms
(Utta at Kramer Junction)
 - Whiptail DOR Kramer. Also seen 10 mi. S.
of Atolia.
 - 1 Longnose L DOR Kramer Brush.
 - 1 Platyrrhines run-over Red Mountain saved
 - 1 Cally DOR " "
 - Collected utas, whips and leopard
in Lava Mts 5 mi. N.W. of Red Mountain
and Xantusias and magister Lava Mts
7 mi. N.W. of Red Mountain. At the latter
point there are some fairly good Joshua
Trees. This country looks mighty good.
The lizards are stratified as usual.
 - Cally DOR 5 mi. SW of Spangles, S.B. Co
 - (Continued on Jan. 6)

MONDAY, MAY 30, 1938

150th
Day

Memorial Day

215 Days
to come

Started home this morning from Cotton at 9AM clear and cool. Plenty people on the road.

- 1 Gopher M DOR Riverside; gardens
- 1 Boa Small DOR, Box Springs grade, Brush, saved
- 1 mixed King " " " " " "
- 1 Gopher L DOR Box Springs, Fields
- 1 H.T. DOR La Vina
- 1 Red Racer L DOR. N. Elsinore, Grass.
- 1 " " " " " "
- 1 Gopher S DOR Murrieta, fields
- 1 Patchnose L DOR Rainbow brush
- 2 Red Racers L DOR Bonsall fields
- 1 " " L " Vista " "
- 1 Long nose L " Buena {Brush Orchard
- 1 Red Racer L " Hodges Grass
- 1 Banded Racer M " Muravian brush
- 1 Red Racer L " Muravian "

(saved head).

Arrived home at 12⁰⁰. Clear and warm

Miles today 124; in SD Co 65.

Total miles for the trip 1604

Spent the afternoon in miscellaneous catching up. House upset by painting. Called at the zoo and got specimens. Jim Deuel was working. Told me of a large gopher near Capistrano which had eaten a DOR gopher nearly as big.

TUESDAY, MAY 31, 1938

151st
Day

214 Days
to come

Miscellaneous catching up today.
Much to do, and considerable done.
The house a wreck because of
painting. Put books back in the
hall case.

Barlow advises of a P. browni
in MCZ collection from Superior, Ariz.

Notes by Cook on a trip May 29.

- 1 Red nittler S DOR. Pala
- 1 Gopher L ~~DI~~ Aliz. Bonsall
- 1 Gopher S DOR Lake Hodges
- 1 Western Yellow belly Miramar.

Notes by Gander Trip May 29.

- 1 Boa COR Yagui Well 5:55 P.M. On sandy road
- 1 Red Racer L DOR The Narrows
- 1 Sonora DOR Benson Dry lake
- 1 " C#DOR The Narrows 8⁴⁰_—
- 1 " COR The Narrows 8⁴⁵_—
- 1 Leaf hose " " 9²⁰_—

Cool at western end of run; warm on the
desert.

Gekkos at 7⁴⁵_—, 7⁵⁵_—, 7⁵⁷_—, 8¹⁰_—, 8³⁰_—, 8⁴⁵_—, 8⁵⁵_—
9³⁵_—

May 30th

- 1 Red Racer DOR Fletcher Hills grass
Fields

WEDNESDAY, JUNE 1, 1938

152nd
Day

213 Days
to come

Today got the first copy of the Head Dimensions paper. It looks fine; the dull paper works better than the polished. Think it the clearest of the statistical (lithostatic) series.

Went to La Mesa Rotary this noon. 20 miles nothing seen. a dull overcast day.

Worked on miscellaneous catching up tonight and making preliminary plans for the Arizona trip next week.

THURSDAY, JUNE 2, 1938

153rd
Day

212 Days
to come

Talked to the East San Diego Kiwanis club today on Inventors and Inventions

-
- Robt Hoard's desert trip of May 27
- 1 Gopher DOR Lakeside
 - 1 Boa DOR Wynola.
 - 1 Red Rattler DOR Sentenac Canyon.
 - 2 Sonora DOR The Narrows.
 - 1 " DOR Benson's Dry Lake
 - 1 Longtailed uta COR 7¹⁵ Dry Lake
 - 1 Magister COR The Narrows 7⁴²
 - 1 Leafnose COR The Narrows 7⁵⁵
 - 1 Wormsnake DOR(S) "
 - 1 Platyrrhinus " "
 - 1 Sonora " "
 - 1 " COR " 9³⁵
 - 1 Leafnose DOR " "
 - 1 Trumorphodon COR " 9⁵⁵
 - 1 Leafnose COR " 10⁰⁰
 - 1 " " Jacqui well 10¹⁰
 - 1 Sonora DOR " "
 - 1 Wormsnake " (L) "
 - 1 Spotted hite " San Felipe

14 geckos.

58 miles of desert driving
in collecting territory at night.

FRIDAY, JUNE 3, 1938

154th
Day

Confederate Memorial Day (Tenn., Ky.)

211 Days
to come

This morning went down to Chula Vista and Otay. On the way down examined the cut where so many DORs were seen a couple of years back.

- 1 Garter L DOR Chula Vista, Grass.
- 2 Red Racers L DOR Otay, Grass
- 1 Pacific Rat M " " "

The last 3 were in the cut. The red racers were mixed yellow and black - considerable black.

Total miles 18.

This afternoon at 3²⁵ started for Arizona with Cy Perkins, Sr. It was clear and warm.

- 1 Gopher L DOR El Cajon, Grass
- 1 Patch nose L DOR Flynn Spr. ^{Brush} Orchard
- 1 " L " Viejas do
- 1 Mutch L " Terrenitos Brush
- 1 H.T. DOR La Posta

- 1 Patchnose lost on road Boulevard ^{5.25 P.M.} Brush
- 1 Cally seen on the road at Coyote Wells at 6 P.M.
- 1 Red Racer L Caught on the road at Plaster City

Thin brush desert 6⁰⁵ Sunny hot.

- 1 Maclure L DOR Mobile ^{bracketed}.

Reached El Centro at 6³⁰ Almost sundown. Hot

(Continued on Jan 13).

SATURDAY, JUNE 4, 1938

155th
Day

210 Days
to come

This morning we left Yuma east bound at 9⁵⁰ MST. All times hereafter in Arizona are MST.

Dips were noted at Dublin; also collies and whiptails. Chucks were seen in the Gila Mountains as usual. Monas were seen at Wellton and dips at Asher.

We stopped to talk with Hale for a while but he had nothing of interest. Paid reptiles were very scarce the last 2 years, but he always says that.

Dips were noted at Kim and Le Sage, Yuma Co. It was very hot from here on and the lack of DORs was notable.

Reached Bela Loma at 1⁴⁵; the man at the service station had nothing of interest.

A dip was noted 14 mi. W. of Casa Grande. It was 112° here today; 110 in the car at Picacho.

Cnemidophorus noted at Marana.

P. solare at Jaynes Station.

Arrived at Tucson at 4⁴⁰. 96°. Reverse specimen's dead from the heat including the boa we had brought for Woodin.

We started the evening drive at 7⁵⁰
(Continued on Jan 15)

SUNDAY, JUNE 5, 1938

156th
Day

Whitsunday (Pentecost)

209 Days
to come

This morning we left the auto camp at 9³⁰. It was warm, sultry and overcast. We went over to Xavier Mission to scout the territory for a night drive.

1 Trimorphodon small DOR foot of A Mountain River one side with mesquite - rocks on the other. 26 body spots.

Cally and gecko DOR 3 mi. N of San Xavier Mission

1 Cinereous M DOR 2 mi N. of San Xavier Mission. Mesquite

Hunted for lizards 4 mi. W. of the San Xavier - Ajo Junction and got Callys and Whips.

The Ajo road looks only fair after it passes through the Tucson Mts as it is quite barren.

1 Arizona S. DOR Tucson. Brush-grass.

We called on Mrs. Catherine Reidy who manufactures a variety of snake products. She had a lot of personal troubles and was not doing so well as in the past. She had many cinereous and 3 scutes but not much else. Coral snakes are found in the immediate vicinity of Tucson, in most places. *Pseudopyromelana* from the Huachuca Mts. Sidewinders are

(Continued on Jan. 16th)

MONDAY, JUNE 6, 1938

157th
Day

Monday in Whitsun Week

208 Days
to come

This morning we were up at 5³⁰ and on the road at 6¹⁵ looking for dead snakes, and also to have a lizard hunt. It was clear and warm - not overcast and sultry as on previous mornings lately.

We just went across to San Xavier Mission. Found a P.d. decurtatus DOR in fairly good shape 2 mi. N. of the mission. Saved it. Well pleased with this. We then drove north on the road skirting the Tucson Mts but found no DORs. Then went west on the old road 3 mi W. of the junction and hunted in mixed cactus, brush and mesquite. Got a number of callys and whips. One of the latter had the wings of a cicada protruding from his mouth. Found a Goleomyx under a dried steer carcass. Got a horned toad near the junction of Congress and Grand. Went north on the Oracle road about 21 miles but got no DORs. Noted Callys at 12 and 15 miles out of Tucson. Returned to the cabin at 10²⁰. Somewhat cooler than yesterday. Pickled specimens and wrote up diary. Wulas morning drive 74.
(Cont on Feb 27th)

TUESDAY, JUNE 7, 1938

158th
Day

Tuesday in Whitsun Week

207 Days
to come

Today we took a trip from Tucson via Benson, Fairbank, and Patagonia to Nogales. Then a side trip to Bear Canyon on the road to Ruby in the Tumacacori Mts., thence back to Tucson. It was an interesting trip but very poor from a collecting standpoint. Too late for the spring specimens - too early for those which come out with the summer rains. The total absence of specimens in a long night drive through what should be good territory was particularly disappointing. We left Tucson at 8⁵⁵; clear and warm.

Calleys were noted at Tucson and Wilmot. Also a *p. solare* at Wilmot, Pima Co.

Calley noted at Rankin, Pima Co.; H.T. at Rita, Pima Co.

1 H.T. DOR Pantano, Pima Co
1 Cinereus S. DOR Pantano Mesquite
1 Cornutum COR 9 mi W. of Benson just east of the Pima - Cochise Co line.

1 Cinereus S DOR Benson, Cochise Co

Brushy desert.

Reached Benson at 10¹⁵ - warm.

1 Leopard lizard DOR Benson.

Shot a calley and whip here.

1 H.T. (*solare*) 3 mi. S. of Benson DOR.

Observed whiptails at St. David.

(Cont. on Jan. 19)

WEDNESDAY, JUNE 8, 1938

159th
Day

Ember Day

206 Days
to come

This morning we started from Tucson for Phoenix at 9⁴⁵. It was clear and warm. Quite hot at Phoenix; got cooler beyond Wickenburg and was very comfortable at Prescott. Called for mail at Tucson and got everything except the papers.

1 P. solae L DOR Jaynes Station, saved. Had the usual trouble with the car boiling away water rapidly, or throwing it out, all the way but particularly between Tucson and Phoenix.

Saw Evans at Phoenix. He did not have much that was interesting. He had a black racer from Florence Inet. I learned from him that the little P. browni secured from Householder came from Enchanted Valley in the Enchanted Mts, New River Road, 7 mi. W. of Cave Creek.

1 Gopher L DOR Glendale fields

The road south of Wickenburg is being rebuilt and will not be so good. Too fast - too many banks and cuts.

Colly DOR. Wickenburg, 9 mi. NW of Wickenburg and Congress Inet.

Collared lizard DOR 4 mi. SW of Yarnell.

Hunted at the type locality of X. arizonae 1 mi. S. of Yarnell and got a H. texana.

(Cont. on Jan. 22)

THURSDAY, JUNE 9, 1938

160th
Day

205 Days
to come

This morning we started from Prescott at 7:10 MST. It was clear and cool. We hunted in granite 2 mi. N. of Prescott where there were a few cap-rocks and got a *Uta stansburiana*. The granite is not well flaked.

We hunted at Willow Creek which is just north of Jerome Junction. There is a fine creek here with many granite boulders which however do not flake well. Hoped to get a Xantusia but found nothing under any granite flake or cap rock. Probably too cold in winter. Other lizards were plentiful and we secured a number.

I. P. d. hernandesi DOR Chino Valley,
Yavapai Co.

1 Skelly shot on the road at Del Rio, Yavapai Co.

1 *Cnemidophorus* shot and a collared
lizard caught at Del Rio.

Collared lizard shot at Drake, Yavapai Co

" " seen at Pok, " "

Collared lizards and skellies seen and
shot at Pok, Yavapai Co and at
Prairie, Yavapai Co

Collared lizards were very plentiful along
the road from Paulden north on rocks. They
were large and a number were beautifully
green in color. We stopped at several
(Continued on Jan. 23^d)

FRIDAY, JUNE 10, 1938

161st
Day

Ember Day

204 Days
to come

This morning we started west from Holbrook at 7⁰⁰. It was clear and warm. I still hoped to get a mentuis in the morning as I had done on the way to the Snake Dance. We reached Winslow at 8⁰⁷; clear and warm. Not a DOR in this 33 miles which should have been fruitful. We now went north across the prairie on the unpaved road to Leupp Trading Post. Here we inquired about roads and caught a B. woodhousii. We returned to the Highway on the road via Canyon Diablo RR Station. Stopped to hunt in sandstone (a fine outcrop) 6 mi. SW of Leupp but got only 1 uta. This was at 9³⁰ but lizards did not seem to be out. Maybe too cool and breezy. A collared lizard was caught 10 mi SW of Leupp. A collared lizard was seen at the Canyon Diablo RR Station.

We hunted on the edge of Canyon Diablo between the highway at Two Guns and the RR Sta. and got several lizards. We next went down the Meteor Crater side road, which is in very bad condition, for 3 mi. and hunted in red sandstone. Got several lizards. We then returned to the highway and started west. 1 C. s. perplexus DOR 3 mi. W. of Winslow.

(Continued on Jan. 27th)

SATURDAY, JUNE 11, 1938

162nd
Day

St. Barnabas—Ember Day

203 Days
to come

This morning we started from Las Vegas at 9³⁰. It was slightly overcast, warm and sultry. We just went up the Indian Springs Road toward Beatty. Only went up this road 10 miles and then turned back. Shot a couple of whiptails 9 miles from Las Vegas.

A couple of *P. platyrhinos* were caught on the road 6 mi. NW of Las Vegas. A collie was DOR 10 mi. NW of Las Vegas. We hunted along a couple of ditches for *R. onca* but had no luck. What appeared to be a bull fox was seen in the lake at Lorenzi Lake Park.

We again left Las Vegas on US 91 at 11⁰⁵. It was cool, part cloudy, and quite windy.

- Bracken
- 1 Arizona L DOR ~~Blain~~, Clark Co., ^{Sandy desert} light brush.
 - 1 *Platyrrhinos* DOR Jean
 - 1 Large female tortoise alive on the road at Jean.
 - 1 Gopher S DOR Borax, Clark Co. ^{Light brush} desert 84°
 - 1 *Platyrrhinos* DOR Mountain Pass S.B.Co
also caught a collared lizard and *Xantusia vigilis* here, and saw a *utah*.
- at Clark Mountain Station: got 4 *Xantusia vigilis*. Saw whiptails and *utah*.
- 1 Red Racer L DOR 3 mi. E. of Valley Wells.
- (Continued on Feb. 1)

SUNDAY, JUNE 12, 1938

163rd
Day

Trinity Sunday

202 Days
to come

This morning we started home from San Bernardino at 8 o'clock stopping for breakfast at Riverside. It was cold and cloudy.

1 Red Racer L DOR bet. Perris and Elsinore Grass.

1 Patchnose M DOR North Elsinore Brush-grass.

1 Gopher L COR Fallbrook Orchard. Brush
Turned him loose.

1 Boyles King L DOR Buena Orchards

1 Gopher S DOR San Marcos Grass.

Arrived home at 11⁴⁵. Part cloudy and cold.

Miles in San Diego County 69.

Miles today 132

Total miles for the trip 2604

The trip was good sport. The collecting was poor partly because of unseasonable weather - partly through lack of knowledge of the proper season in which to collect in some areas.

The highlights were the Phyllorhynchus at Tucson and the pyrrhus on the Arizona side at Boulder Dam.

Spent the afternoon and evening catching up. Jim Deuel worked today and helped materially in taking care of the incoming material.

MONDAY, JUNE 13, 1938

164th
Day

201 Days
to come

Chas. Shaw worked today and made headway with the many incoming specimens.

Had a long talk with Bob Hoard yesterday about his trip. Agreed to pay \$50 toward his expenses and furnish him with various collecting material. He is to have the privilege of writing up his material first in connection with his masters thesis. I can then use the material in any write-ups as I see fit. Novel items were left somewhat undecided; I am to describe them if they belong to groups in which I have worked.

Bob called tonight for the jars; the other collecting material will be gathered later.

Gander reports a red racer DOR
Lake Hodges June 8.

TUESDAY, JUNE 14, 1938

165th
Day

American Flag Adopted 1777 (Flag Day)

200 Days
to come

El Cajon Rotary Club this noon. 15
miles; nothing seen.

Called at the Zoo and got many
specimens.

Worked tonight in collecting wants
in Lower California for Bob Hoard.

Trip by Cy Perkins and Chas. Shaw 6/6

1 Cal King DOR	Witch Creek.	
1 leafnose DOR	Benson Dry Lake.	
1 Spotted Mite COR	Sentinel Canyon	7 ⁴⁰
1 Small Sonora COR	Yaqui Well	8 ⁰⁰
1 Tantilla Eiseni COR	"	8 ¹⁰
1 Arizona COR	The Narrows	8 ¹⁵
1 leafnose DOR	"	
1 Sonora DOR	Yaqui Well	

→ geckos.

Miles of night hunting in desert territory 49

WEDNESDAY, JUNE 15, 1938

166th
Day

Pioneers' Day (Idaho)

199 Days
to come

Chas. Shaw worked today.

THURSDAY, JUNE 16, 1938

167th
Day

Corpus Christi

198 Days
to come

Out to dinner tonight.

Chas. Shaw worked today. Some headway being made on large accumulation of material.

FRIDAY, JUNE 17, 1938

168th
Day

Bunker Hill Day (Boston)

197 Days
to come

Shaw worked today. Pickled a lot of small rattlers.

Miscellaneous clearing up and straightening out tonight.

Miscellaneous records from correspondence etc:

Vidal, Inct., Riv. Co.

S. occipitalis

P. decurtatus

C. variegatus

1 *C. oreganus* ♀ M. swallowing a brush rabbit at 11 AM, Temp. 74°
Stone Canyon Reservoir, L.A.
above from H.C. Wallen.

1 Garter Snake recd from Benedict
Spring Valley June 13

1 Red Rattler at Halfway House BC, Hoard.

1 Pacific Rattler Mission Gorge "

Oreganus records from DO Scott. All specs sent for examination but not worth saving:

Round Mountain 14 mi. S. of Williams	All in Coconino Co.
Coon Hill 9 " " " "	
Rushnie Spring 10 " " " "	

SATURDAY, JUNE 18, 1938

169th
Day

196 Days
to come

Spent the day on miscellaneous catching up.

Had a final chat with Bob Hoard concerning his trip this afternoon. Gave him a few more items.

Jim Deuel worked today.

SUNDAY, JUNE 19, 1938

170th
Day

1st Sunday after Trinity

195 Days
to come

Spent all day on miscellaneous clerical and other work of this kind. Got everything fairly well caught up.

Gander reports a Boyle's King's Med. DOR Mission Gorge.

MONDAY, JUNE 20, 1938

171st
Day

First Day of Summer

194 Days
to come

Meeting of the reptile club tonight. Chapman Grant talked on Cayman Islands.

Roland E. Curtis reports King Snakes are more common trying to get at the eggs of the State Game Farm at Chino than gophers. A few red racers are encountered. They take them quite a distance away and turn them loose. A few are of the "mitida" type markings. A male king snake mated with a female gopher in the detention pen.

TUESDAY, JUNE 21, 1938

172nd
Day

193 Days
to come

Prof. Puzzlewit at Women's meeting
this noon.

Left San Diego for Los Angeles at
135 today with Weiss. Clear and warm.
Went out via Escondido, Fallbrook, and
US 395 + 66 to Victorville.

1 Western Yellow Belly L DOR Mission Valley grass
Stopped at Escondido and Chula Vista
Substations. Reached San Bernardino at 4⁵⁰.

1 Red Racer S DOR Devore, San Bernardino Co
Ate supper at Victorville.

Left Victorville west bound at 6¹⁵. Clear
and cool. Too cool.

1 Gopher L DOR at Turners Ranch 5 mi
NW of Victorville. Grass - irrigated.

Went west to Adelanto, then south
on 395 to Palmdale road, then west again.
Pendown at 7¹⁰ Cool and breezy. 70°F.

1 Magister DOR 5 mi N. of Phelan

1 Platyrhinus COR 10 mi. E. of Llano, LAC
7.35 not quite dark. 71°

8³⁰ almost dark 65°. 8⁴⁵ quite dark 60°
Breezy. No moon

1 longnose COR 2½ mi. NE of Vincent LAC

9 P.M. 66°F No breeze. 1 Coleonyx COR 9⁰⁵

Same. Put up at Burbank at 10⁴⁵

Total miles 278. SD Co 68; swimming desert drive 36.
Much too cold to expect a good catch.

In LA on business in the morning.
Drove down at 4²⁵ P.M. arriving at 7.
Going to fast to check snakes. Saw 1 dead
one above Las Flores.

John Valleau's trip to Borego. Data
received from David Regner. Trip made 6/21
Probably to the county line and back.
Temp probably below 65°.

- mostly E. g
4 *Phyllorhynchus d. perkinsi* The Narrows.
1 *Aryzonia e. occidentalis* East of the Narrows
1 *Crotalus cerastes* "
1 *Urochamisa r. roseofusca* Near the Narrows

David Regner's trip to Borego June 22.

Coleonyx passed up on return trip.

- | | |
|---|---------------|
| 1 <i>Aryzonia e. occidentalis</i> Scissors Crossing | 801 |
| 1 <i>Rhinocellus lecontei</i> " | 806 |
| 1 <i>Coleonyx</i> Sentenac Bridge | 811 |
| 1 <i>Rhinocellus lecontei</i> Sentenac Bridge | 830 |
| 1 <i>Phyllorhynchus d. perkinsi</i> Yaqui Well | 835 |
| 1 " " " | 843 |
| 1 <i>Aemona occipitalis</i> 1 mi. E of Yaqui Well | 905 |
| 3 <i>Coleonyx</i> Bet Yaqui Well Narrows | 910, 911, 916 |
| 2 <i>Phyllorhynchus d. perkinsi</i> The Narrows | —, — |
| 1 <i>Coleonyx</i> 2 mi. E. of The Narrows | — |
| 1 <i>Phyllorhynchus</i> 1/2 " " " " | — |
| 1 <i>Coleonyx</i> E. of The Narrows. | — |
| 1 <i>Phyllorhynchus</i> 1 1/2 mi. W. of Benson's Dry Lake | — |
| Return Trip — No <i>Coleonyx</i> recorded. | — |
| 1 <i>Phyllorhynchus</i> 1 mi. W. of Dry Lake. | — |
| 1 " Yaqui Wells. | — |
| 1 " East End Sentenac Canyon. | — |

THURSDAY, JUNE 23, 1938

174th
Day

191 Days
to come

The Camprills of 29 Palms called this morning. Also a party named Martin from Florida in the afternoon.

Chas. Shaw worked today.

Hill of Los Angeles came at 11 and left a number of specimens that Mosauer collected at Acapulco to be identified.

AMERICAN SOCIETY OF ICHTHYOLOGISTS AND HERPE-
TOLOGISTS, WESTERN DIVISION

(Report by Margaret Storey)

More than twenty members and guests met informally at the laboratory and home of Laurence M. Klauber on Friday afternoon and visited his unsurpassed collection of southwestern rattlesnakes and other herpetological specimens. On Saturday a night desert collecting trip arranged by C. B. Perkins, of the San Diego Zoo, yielded eleven live lizards of two species and twenty-three live snakes of seven species in four hours in the vicinity of The Narrows. In addition, fourteen snakes of ten species and two lizards were observed run over on the road. Some of these were in sufficiently good condition to be saved. The National American Society of Ichthyologists and Herpetologists meeting at Berkeley from July 20 to 23 prevented official participation in the American Association for the Advancement of Science meetings this year.

Science Sept 2, 1928

FRIDAY, JUNE 24, 1938

175th
Day

Nativity of St. John Baptist
Feast of Sacred Heart

190 Days
to come

A number of members of the I H Society called and had tea this afternoon. Came at 2³⁰ and stayed (some of them) until after 6. Seemed to have a good time.

Among them were Mr. & Mrs. T.I. Storer, C.B. Perkins, Dorn, Chapman Grant, Sarah Atsatt, Margaret Storey, Mrs. and Miss Eigenmann, Huey, Cook, Zahn, Artran, Edna Caney, Hinton, Gander, Rhinehart (later) Mitchener, Jack Murray

Chas. Shaw worked today.

Dorn reports a gopher at La Mesa and a Cal King at Lemon Grove during the present month.

Pam Hantes reports an Annella DOR in Mission Valley.

Roland & Curtis reports the following at Chino

Boyles King
gopher
Red Racer.

Friday, June 24, 2:30 p. m.

Informal get-together at the laboratory of Laurence M. Klauber,
233 West Juniper Street.

From program

SATURDAY, JUNE 25, 1938

176th
Day

189 Days
to come

Saturday, June 25

Afternoon and Evening

From program

Desert field trip to Sentenac Canyon and Kane Springs. Starts from west entrance of Natural History Museum at 2:30.

The National A. S. I. H. meeting at Berkeley, July 19 to 23, prevents official participation in the A. A. A. S. meetings this year.

Spent the morning on miscellaneous catching up.

At 2:30 went over to the Museum to join the outing group. Found about 10 ready to go but waiting for Miss Otsatt. We waited until 3:15 and then started out, leaving Perkins to take Miss Otsatt if she turned up. There were in my car Abbott, Dr. David, Margaret Storey and Tim Deuel. We went out via US 80 to Pine Valley - Laguna Junction, then to Laguna Int, then over the Sunrise Hwy, Julian (where we picked up supplies) then down Banner grade and to the Narrows where we had supper. The other crowd (delayed by Miss Otsatt, who had been punched for speeding, and a puncture) did not show up until we had finished supper. The other crowd included Jack Murray, Cy Perkins, Dorn, Chas. Shaw, Miss Otsatt and Cook. When we met the other party we dropped Deuel and Miss David who hunted around (Continued ~~and~~ on Feb. 3d)

SUNDAY, JUNE 26, 1938

177th
Day

2nd Sunday after Trinity

188 Days
to come

Spent all day in miscellaneous
clerical and other work.

MONDAY, JUNE 27, 1938

178th
Day

187 Days
to come

Out to dinner tonight.

Localities from Bogert

Trimorphodon

Mouth of Sakino Canyon.

Liguita, east base Gila Mts.

Phyllorhynchus

4, 29, 33 mi. E. of Gila Bend.
(29 = Vekol Wash).

TUESDAY, JUNE 28, 1938

179th
Day

186 Days
to come

Got started on the desert night
collecting paper today - finished
an outline.

Cy reports a brood of 26 basiliscus
born at the zoo today. 1 egg and 1
defective specimen which was born dead.

Getting in touch with prospects
for a trip to Tucson in the week end.

WEDNESDAY, JUNE 29, 1938

180th
Day

St. Peter

185 Days
to come

Went to the zoo this noon for specimens.
Spent the evening bringing the
catalogue of specimens down to date.
Chas. worked this afternoon and
I in tonight.

THURSDAY, JUNE 30, 1938

181st
Day

184 Days
to come

Chas worked today.

Philip preparing for his European trip.

Some miscellaneous work tonight.

FRIDAY, JULY 1, 1938

182nd
Day

183 Days
to come

Today at 12⁴⁵ P.M. started for Tucson with Chas. Shaw, Norman Bilderback and Norris Bloomfield. It was clear, warm, and somewhat breezy.

1 longnose L DOR Flinn Spr. Brush

1 Lateralis L " alpine. Brush

1 Gopher L " Laguna Inlet. Brush & trees.

1 Lateralis M " Lake Oakes Springs Brush

Reached Yuma at 4⁴⁵ P.S.T. (all subsequent times are MST) It was clear and warm but not hot.

1 Platyrrhinos lost on the road 8 mi E. of Yuma

1 Patchnose M DOR Stoval. Sandy desert with a little brush. Saved. Yuma Co.

Beundown at 7⁴⁰ MST.

1 P.s. affinis L. DOR Sentinel ^{maricopa Co} ~~Pima Co.~~

Mesquite and other brush. Saved head.

1 P.s. affinis L DOR Theba, Maricopa Co.

Alfalfa fields. Saved.

Reached Gila Bend at 8²⁵. Now almost dark.

Ate supper and started on eastward at 9¹⁰.

Now quite dark. Almost no wind. $\frac{1}{3}$ moon.

84° F. (Corrected). Caught an alvarius at Gila Bend just as we were starting.

1 Sonora occipitalis COR 12 mi E. of

Gila Bend. 9⁴⁵, 84°. Lost one probably the same thing imile further at 9⁵².

(Cont. on Feb. 8)

SATURDAY, JULY 2, 1938

183rd
Day

Visitation B. V. Mary

182 Days
to come

This morning we started eastward from Casa Grande at 7⁴⁰; it was clear and cool.

Dead *Bufo alvarius* were noted at Arizola, Toltec, Eloy all Pinal Co.

We hunted for awhile in brush and subuaras at Wymola, Pinal Co, and got a considerable number of lizards. Cally was the only one seen and not taken. We also found a live desert tortoise in the subuara forest here. We left this point at 10⁴⁰.

At Red Rock, Pinal Co *Bufo alvarius* was evident in a muddy irrigation pool by the roadside. There were a number of clasping pairs which would dive to the bottom together when one came in sight. We collected here in mesquite and got assorted lizards including scaly lizards. Collias were seen but not collected.

At Navisita, Pima County whiptails and *Alvarius* DOR and a solare was caught on the road. *Alvarius* also DOR at Marana, Killito, Sabino, Cortaro, Kino and Jaynes all in Pima Co.

Everywhere toads were much in evidence compared with a month ago - one difference
(Continued on Feb. 10)

SUNDAY, JULY 3, 1938

184th
Day

3rd Sunday after Trinity

181 Days
to come

This morning we got up rather late because we were out so late last night. It was 8³⁰ before all specimens were taken care of and the car packed; and 9¹⁵ before we got started from Tucson. It was clear and warm, not hot.

1 P. d. decurtatus DOR Tucson ♂ 44 blotches body
(right in semi business district) 10 on tail
1 Callis DOR and seen 10 and ~~11~~ miles N. of Tucson.

1 Gila monster L DOR 11 mi N. of Tucson.
Mesquite and cactus.

1 P. browni L DOR 10 mi S. of Oracle Jct.
Brush and cactus. Saved.

Callis seen 2 mi. S. of Oracle Jct.

Hunted in brush and cactus 4 mi N of Oracle Junction at 10³⁰. Cool and breezy and very comfortable. Got a few lizards.

Hunted in rocks 4 mi. S. of Owl Head. Pinal Co. Collared lizard, U. O. symmetrica and callis were seen. A small DOR Gila monster was picked up here and saved. Scattered cactus mesquite and brush. It was too breezy and late in the morning for good hunting.

A large callis seen at Florence
also B. alvarius

(Cont. on Feb. 15)

MONDAY, JULY 4, 1938

185th
Day

Independence Day

180 Days
to come

This morning we started from Blythe at 8³⁰. It was clear and warm — somewhat warmer than on previous days.

Whiptail seen 3 mi. E. of Blythe. Hunted here a few moments in mesquite. N.G.

Cally and Dip seen 6 mi. W. of Blythe = Mesa Station.

Whiptails seen 7 and 12 mi. W. of Blythe.

We hunted for a while 15 mi. W. of Blythe; between 9³⁰ and 10. Got a number of *Uta* *graciosa* and various other lizards. The *utas* were hanging head downward on greasewood. The bodies were a perfect color match with the gray limbs of the bushes. They could be spotted by looking carefully along each vertical branch. Sometimes they could be scared to the base of the branches and then shot.

Chas. Shaw found a red racer eating a small patchnose. He had only about 2 inches of the patchnose down, but it seemed quite dead. The patchnose contained a mouse and some roundworms in the stomach. One of the collies caught here contained a dragon fly (large).

Whiptail seen at 17 mi. W. of Blythe.

We hunted for a while 21 mi. W. of

(Continued on Feb. 17)

TUESDAY, JULY 5, 1938

186th
Day

179 Days
to come

Went to the zoo this noon for specimens. Many now piled up awaiting preservation.

Miscellaneous catching up tonight.

Record of Young Cy Perkins
trip to Borego July 1, 1938

1 Boyle's King L COR 1 mi. E. of

Sessons Crossing, 6¹⁰.

2 Red Racers DOR Sentenac Canyon

1 Leafnose COR 7 mi. W. of Bensons 8⁰⁵

1 Sonora DOR Bensons.

1 Sonora DOR The Narrows

1 Leafnose COR 9⁴⁰ The Narrows

1 Sonora COR 10³⁰ Bensons Dry Lake

1 Arizona COR 10⁵⁰ Bensons Dry Lake

1 Sidewinder DOR Bensons Dry Lake

1 Arizona DOR The Narrows

1 Boa San Felipe Valley

On the same evening Don and party
got 5 leafnoses and 4 shovel noses
between Yagui Well and Bensons,

WEDNESDAY, JULY 6, 1938

187th
Day

178 Days
to come

Chas Shaw worked today.
Accounts tonight.

THURSDAY, JULY 7, 1938

188th
Day

177 Days
to come

Chas. worked today
Spent the evening making catalogue entries

FRIDAY, JULY 8, 1938

189th
Day

176 Days
to come

Chas Shaw worked today and
Dewel tonight. Most snakes have been
pickled to date.

Worked on specimen catalog tonight.

SATURDAY, JULY 9, 1938

190th
Day

175 Days
to come

Worked on maps and other material for the coming meeting at Berkeley. Also on the specimen catalogue. Got specimens at the Zoo.

Jim Deuel worked today.
Company tonight.

SUNDAY, JULY 10, 1938

191st
Day

4th Sunday after Trinity

174 Days
to come

Spent the day at Cottons at
Corte Madera with mom and Laura G.
Foggy in town; clear and hot in the
mountains. 104 miles.

1 Boyles King L DOR Lakeview grass

1 Boa L DOR grassmont brush.

MONDAY, JULY 11, 1938

192nd
Day

173 Days
to come

✓ M. Graham Netting arrived this noon. Saw him tonight at the Reptile Club where he gave a good talk with colored slides.

He showed a picture of a Penna horridus with a complete and definitely outlined stripe from head to tail; the boylii - californicus transformation over again. Not the uneven and indefinite stripe of atricaudatus.

TUESDAY, JULY 12, 1938

193rd
Day

Orangemen's Day

172 Days
to come

Went to the zoo for lunch today
and met the Nettings.

Chas Shaw worked today.

The Nettings came to dinner tonight.
Mrs. Netting went to a concert; talked
herpetology with Netting until 11.
Mostly standardization of herpetological
nomenclature and methods of
measurement.

WEDNESDAY, JULY 13, 1938

194th
Day

171 Days
to come

Miscellaneous catching
up tonight.

THURSDAY, JULY 14, 1938

195th
Day

170 Days
to come

Getting ready for the trip tomorrow

FRIDAY, JULY 15, 1938

196th
Day

St. Swithen's Day

169 Days
to come

Today started for Berkeley at 3³⁰.
Clear and warm. With Shurdy and
Kathleen Arnold. Went by way of
Oceanside, Bonsall, San Bernardino
and then took the short cut through
Cajon Canyon to Little Rock; thence
via Mint Canyon back to Glendale.

1 Garter L SOR SPM Clear & warm - Bonsall
Creek and Brush

1 Gopher L DOR Fallbrook. Brush
Full of eggs.

1 Red Racer L DOR Murrietta Olive Trees - Fields
Hot at Elsinore at 6 P.M.

Warm at San Bernardino at 7 PM after sunset

1 Gopher L 9 mi. E. of Glano, L.A. Co.

At 8⁰⁵ Junction with Adelante Road.

Quiet 7⁴⁰; 8⁰⁵. Not quite dark No. moon.

8³⁰ Quite dark. Strong breeze TP. Arrived
at Burbank at 10³⁰ after some mix up
re telegrams and location of auto court
where Gg had reserved rooms.

Miles in S D Co 65; total miles 245.

Miles barren desert trip 42.

A very disappointing trip. Although
cool it was not too cool for snakes to be
out. The Cajon Canyon looks good - plenty
shrubbery, but maybe the lower altitudes in the
desert - no pine to Kramer for example are better.

SATURDAY, JULY 16, 1938

197th
Day

168 Days
to come

Started from Gesselbrachta at
Glendale at 10¹⁰. Clear and warm.
Went via Fillmore and Santa Paula to
Ventura - thence via 101 to Salinas.
Rodeo was on so there was a large
crowd, and exorbitant rates at
auto camps. Put up at Pine Inn at
Carmel E. where we arrived at 9³⁰.

✓ Small gophers DOR Bradley Fields.
Miles today 363.

Another proof that there is no
hunting in July anywhere in the
state in lowland territory.

SUNDAY, JULY 17, 1938

198th
Day

5th Sunday after Trinity

167 Days
to come

Today we started north from Carmel at 11³⁰ (ladies had been window shopping.) Traveled via Santa Cruz, The Redwood (Big Basin) State Park, and Stanford. Stopped at an auto court at San Mateo. Arrived at 6⁰⁰. Clear and warm. 130 miles. Movie in the evening.

MONDAY, JULY 18, 1938

199th
Day

166 Days
to come

Drove up to San Francisco at 9³⁰ this morning; arriving at 10³⁰.
Conferred with Fox and Fiske until after lunch. Then came over to Berkeley and left the specimens at MVZ. Went to a movie in the evening.

TUESDAY, JULY 19, 1938

200th
Day

165 Days
to come

Spent the entire day at MVZ; first preparing specimens for exhibition with the assistance of Tom Rodgers — second discussing herpetological problems, particularly the definition of species. Looked at Benson's recent acquisitions from Sonora — a good lot — and Rodgers' material from the Providence Mountains. Went to lunch with Netting, Grant, and Myers.

Spent the evening from 6 until 8³⁰ at a meeting of the Board of Governors of the I and H Society.

The specimens look good but are a very meagre collection. Broke my glasses this morning, a great inconvenience.

✓
WEDNESDAY, JULY 20, 1938

201st
Day

164 Days
to come

Spent the day at the ITH Society meeting. Was elected president. Gave a talk on desert collecting at night. Spent the evening at a buffet supper at MVZ. The small snake exhibition was well received. Perkins arrived in the morning.

Had many interesting conversations on reptile matters today with Storer, Vorhies, Myers, Necker, Berry Campbell, Hulse, Miss Edna Fisher, Miss Atsatt, Vestall, Herre, Rodgers, Fitch, Bryant, etc.

THURSDAY, JULY 21, 1938

202nd
Day

163 Days
to come

Went over to San Francisco on business this morning at 8³⁰ and returned at 3³⁰ in time to conduct the final business meeting of the ASIAH society. The attended movies in a joint meeting with the mammal ogists until 5⁴⁵. Saw Voth's pictures of cinereus eating rabbits. The most interesting points were the use of fangs to aid in drawing in the food and rubbing on a rock to push the food down into the stomach when it was partially down. The latter may have been accidental.

In the evening went to the joint dinner with the Mammal Society. Said a few words on coöperation.

Tanner says he has many more concolor and will let me borrow them. Saw his worm snake paper. He will trade specimens. Ellis will trade literature. Saw Walter P. Taylor today.

FRIDAY, JULY 22, 1938

203rd
Day

162 Days
to come

This morning went down to Stanford to hear the last ASIAH papers. Arrived there at 10 and returned to Berkeley at 5. Good papers. Impressed by Twitt's Triturus results. Spent part of the afternoon in the Natural History Museum where Geo. Myers is making great improvements. Met a number of more Ichs and Herps.

Ate supper at a noted fish joint with Grants, Stokers, Netting and others. Talked over I & H matters with Netting.

1 Goshawk L. DOR. first town S. of Redwood fields.

SATURDAY, JULY 23, 1938

204th
Day

161 Days
to come

Spent the morning until 11³⁰ packing up specimens at MVZ and trading with Rodgers and Fitch. Then went over to CAS and saw the gang just leaving for the Zoo. Lunched with Lewin. Then left SF at 3³⁰. Went via Gilroy and Hollister to the Pinnacles, arriving at 7³⁰. 1 Garter (*Sitalis*) lost on the road just south of Tree Pines. Got a few frogs in the evening. Plenty deer about. The frogs come up under the oaks like toads. There were plenty tadpoles about.

SUNDAY, JULY 24, 1938

205th
Day

6th Sunday after Trinity
Pioneers' Day (Utah)

160 Days
to come

This morning we left the Pinnacles at 10⁴². It was clear and warm. We went down the road to the junction near the CCC Camp and then went 2 miles NW to the end of the road. Got a skelly on the way. Walked up the canyon for maybe $\frac{1}{4}$ mile and got a skelly and a number of frogs. Saw one large whiptail and a M. lateralis DOR. The frogs were in caves with pools at the bottom.

The country does not look anything like Xantusia vigilis territory. It is transition territory with pines and other trees all about. There are no yuccas, at least where I was. While there are plenty of rocks, and more high up where we did not go, they are not smooth and they do not flake. A few chunks were pried off without result. A few more frogs were taken along the creek on the way out and another skelly or two. All were within the monument.

We hunted at a sheep ranch 3 mi. E of Kanab and got a skelly. Saw no reason to expect magister here and none was seen. It is barren, foothill

Cont. on Feb. 19

MONDAY, JULY 25, 1938

206th
Day

St. James

159 Days
to come

- Started from Delano this morning at 8⁵⁵. Clear and warm. Cooler than yesterday.
- 1 T. 2. infernalis DOR Greenfield, Kern Co fields, saved
 - 1 Gopher S. DOR Same.
 - 1 Gopher very large DOR 4 mi. S. of Greenfield Grass.
 - 1 Oreganus S DOR Grapevine. Brush. Saved head. Light color.
- Hunted in tree yuccas near Casewells (LA Co) and saw a magister.
- Saw a ita in Frenchman's Flat.
- 1 Boyles King; L DOR Frenchman's Flat. On the bridge. Narrow clear light stripes
- Nothing seen in San Diego County.
- Count 50 miles.
- Reached home at 6¹⁵ Clear and warm. Miles today 579. Total for trip 1668.

TUESDAY, JULY 26, 1938

207th
Day

St. Anne

158 Days
to come

Spent the day catching up. Went to the zoo at noon.

Recd a photo from Waller showing an Oreganus swallowing a rabbit. Snake 29" long.

WEDNESDAY, JULY 27, 1938

208th
Day

157 Days
to come

Movie tonight. Still catching up.

Recent locality Records:

Tantilla eiseni

Gavilan Plateau, 15 mi. SW of Riverside

E. Kozloff, Riverside, letter 7/13

Monument headquarters Pinnacles

Natl Monument, San Benito Co.,

136. ft, 12-20-37 MVZ 25331

Anniella pulchra

Cholome Creek, Bear Valley, Pinnacles

National Monument 12-27-37

MVZ 25330.

THURSDAY, JULY 28, 1938

209th
Day

World War Began 1914

156 Days
to come

Catalog entries tonight.
Phew worked today.

At the zoo a Boyles King ate a
dead fish and the eggs of another King
snake

A L. zonata ate another during
transportation

FRIDAY, JULY 29, 1938

210th
Day

155 Days
to come

Shaw worked today, pickling
specimens.

Out to dinner tonight.

SATURDAY, JULY 30, 1938

211th
Day

154 Days
to come

Spent the entire day and evening in all kinds of catching up and made good progress.

SUNDAY, JULY 31, 1938

212th
Day

7th Sunday after Trinity

153 Days
to come

Miscellaneous catching up today. Made good progress clearing up odds and ends. Almost ready to begin some literary work again.

The *Zonotrichia* from Picacho and Tucson are certainly a good subspecies.

Walter Necker, Chapman Grant, & Burmeister came in this evening. Spent the evening discussing literature.

MONDAY, AUGUST 1, 1938

213th
Day

152 Days
to come

Some clearing up tonight.

TUESDAY, AUGUST 2, 1938

214th
Day

151 Days
to come

Worked a little on forms tonight.
Wecker worked in the library from
8 to 10 P.M.

Chas. Shaw worked today.

WEDNESDAY, AUGUST 3, 1938

215th
Day

150 Days
to come

movie tonight
Chas. Shaw worked today.

THURSDAY, AUGUST 4, 1938

216th
Day

149 Days
to come

Company tonight.
Chas Shaw worked today.
Hecker worked in the library tonight
7 to 11.

FRIDAY, AUGUST 5, 1938

217th
Day

148 Days
to come

Shaw worked today. All specimens are now pickled, but there are many to count. Received Form 20c tonight. Hope it is right this time.
Out to dinner tonight.

SATURDAY, AUGUST 6, 1938

218th
Day

Transfiguration

147 Days
to come

Devel worked today counting.
Miss Guthrie of Sacramento called
this morning. We talked collecting
etc for an hour.

Worked on miscellaneous items all
day including accounts.
Out to dinner tonight.

SUNDAY, AUGUST 7, 1938

219th
Day

8th Sunday after Trinity

146 Days
to come

Spent the morning working over the previously finished notes from the diary. Wrote the C. lugubris note. In the afternoon wrote the paper on Protective Coloration vs Protective Radiations.

Hecker worked in the afternoon and evening on separates.

MONDAY, AUGUST 8, 1938

220th
Day

145 Days
to come

Finished copy of Diary Notes No. 1
made today.

Necker worked all day today in
books in the library.

TUESDAY, AUGUST 9, 1938

221st
Day

144 Days
to come

Hecker worked nearly all day.
A little work on statistical forms
today.

WEDNESDAY, AUGUST 10, 1938

222nd
Day

St. Lawrence

143 Days
to come

Necker worked in the library
this afternoon.

Dinner tonight.

Walker's trip to Borego. Temp
about 96° mt there.

1 Longnose DOR Mission Gorge

1 Sonora DOR The Narrows.

1 Leafnose COR " "

3 Geckos caught in Borego

1 Uta stans " at Bensons

1 Baby Dip " " The Narrows.

THURSDAY, AUGUST 11, 1938

223rd
Day

142 Days
to come

Necker worked in the library this afternoon and finished.

Sent Diary Notes No. 1 to Cooper today.

✓
FRIDAY, AUGUST 12, 1938

224th
Day

141 Days
to come

Bob Hoard called up today - has just returned. Will see him and the material tomorrow morning.

Called at the zoo today and got such material as was there.

Still trying to be certain of various items in my statistical forms. Worked hard on them tonight; didn't make very good progress

SATURDAY, AUGUST 13, 1938

225th
Day

140 Days
to come

Bob Hoard came in today and we discussed the results of his trip and looked at his specimens which were left here. A good series of lizards; snakes not so good as the season was too far advanced. Should go down there in spring. Many of the problems still unsolved although he worked hard and used all the newer collecting methods. I am surprised he got no *Xantusias* in spite of turning over many yuccas which were plentiful. He will work the material up as a thesis later. Offered him all my L.C. material from previous collections if he wanted it.

Worked the rest of the day on statistics trying to improve the correlation and Chi Square forms. Decided to let them go as is. A frightful waste of time but I think I have a better understanding of the situation. The texts are terribly vague, involved, and conflicting. Will stay with the older pre-Fisher methods on correlation.

Devel worked this afternoon and evening preserving specimens.

✓
SUNDAY, AUGUST 14, 1938

226th
Day

9th Sunday after Trinity

139 Days
to come

Worked on miscellaneous items in the morning, and on the radiation color protection paper in the afternoon. Didn't make as good progress as I had hoped.

MONDAY, AUGUST 15, 1938

227th
Day

Assumption B. V. Mary
Panama Canal Opened 1914

138 Days
to come

Went to Reptile Club meeting tonight.
Discussed recent Berkeley meeting.
Worked a little on the radiation paper.

Trip by David Regner.

—	Pentecost	7 ⁰⁰	70°
	Fresh wind east of the Narrows.		
—	The Narrows	7 ¹³	73°
—	Ocotillo (Benson's Dry lake)	7 ³³	83°
	No coleonyx recorded this trip.		
1	Phyllorhynchus .5 mi E. of Ocotillo	7 ⁵⁵	84°
1	Callisaurus 4.1 " " " The Narrows.	7 ⁵⁹	81°
1	Sonora occipitalis 2.6 " " " " "	8 ⁰⁵	80°
1	" " 2.1 " " " " "	8 ¹⁰	80°
1	Phyllorhynchus 0.8 " " " " "	8 ¹⁵	80°
1	" 0.9 mi W " " " "	8 ²⁵	72°

(moon rose almost full).

1 Phyllorhynchus. 2.1 mi. E of Yaqui. 8³² 70°

To County Line and return.

There was a heavy ground fog in Julian the preceding night, causing the first cool break in a week of rather hot weather.

TUESDAY, AUGUST 16, 1938

228th
Day

Bennington Battle Day (Vt.)

137 Days
to come

Dinner tonight.

WEDNESDAY, AUGUST 17, 1938

229th
Day

136 Days
to come

Worked on the color and radiation
paper tonight.

THURSDAY, AUGUST 18, 1938

230th
Day

135 Days
to come

Went to Los Angeles with Ralze
at 7³⁰. Meetings all day. Returned
with Chas. Cotant at 10⁵⁰.

FRIDAY, AUGUST 19, 1938

231st
Day

134 Days
to come

a little work on the radiation paper
tonight.

SATURDAY, AUGUST 20, 1938

232nd
Day

133 Days
to come

Spent part of the day on the radiation paper (on which little headway was made) and part on checking specimens and other miscellaneous work.

Records from some specimens from
the Museum of Northern Arizona

Gopher 1 mi. SE of Pitt, Coconino Co
T.O. vagrans. 1 mi. SE of Pitt, Coconino Co
1 mi S of Pitt "
3 mile lake, "
2 mi. SE of Pitt, "

SUNDAY, AUGUST 21, 1938

233rd
Day

10th Sunday after Trinity

132 Days
to come

Today I made some real progress with the color-radiation paper finishing the first complete draft in the afternoon. This was hard to coordinate.

Spent the rest of the time on suggestions to Barlow for the new check list.

MONDAY, AUGUST 22, 1938

234th
Day

131 Days
to come

People in to dinner tonight.

David Regnery made a trip to
Borego Dry lake tonight and got
nothing.

Sentenac Canyon

7:45

78°

Ocotillo

93°

Overcast but no rain.

TUESDAY, AUGUST 23, 1938

235th
Day

130 Days
to come

El Cajon Rotary Club today. Quite hot. 30 miles. Nothing seen.

Chas. Shaw worked today.

Mrs. Leslie started on the dispersion calculations today - Form 20c

Tonight started the entries in this diary into the field note sheets Form 31c

WEDNESDAY, AUGUST 24, 1938

236th
Day

St. Bartholomew

129 Days
to come

A little miscellaneous work
tonight.

Shaw worked today.

THURSDAY, AUGUST 25, 1938

237th
Day

128 Days
to come

Worked on the dairy tonight.
Shaw worked today, and Deuel
in the evening.

FRIDAY, AUGUST 26, 1938

238th
Day

127 Days
to come

Shaw worked this afternoon.
Visitors tonight ; nothing done.

SATURDAY, AUGUST 27, 1938

239th
Day

126 Days
to come

Miscellaneous work all day, especially worked on Field notes from this diary.

Now up to page 13.

Talked over the radiation paper with Perkins.

Hoar started work on his specimens today. Shaw worked — also Deuel in the afternoon.

SUNDAY, AUGUST 28, 1938

240th
Day

11th Sunday after Trinity
St. Augustine

125 Days
to come

Spent the morning entering notes from this diary into the Field Trip Sheets, Form 31c and finished it down to this date. A tough job, but necessary if locality records and similar statistics are to be maintained.

Spent the afternoon and evening coordinating worm snake records, now very badly arranged.

MONDAY, AUGUST 29, 1938

241st
Day

124 Days
to come

Worm snake tabulations complete tonight.
Shaw worked today.

TUESDAY, AUGUST 30, 1938

242nd
Day

123 Days
to come

Company tonight.

Shaw worked today. Got Barboza's material ready for shipment.

Flock of Tucson called today. Stayed a while to study preserving with Shaw.

Hill came down from LA and took his specimens back.

WEDNESDAY, AUGUST 31, 1938

243rd
Day

122 Days
to come

Shaw worked today.
Sent a bunch of specimens to
Barlowe.

THURSDAY, SEPTEMBER 1, 1938

244th
Day

121 Days
to come

Shaw worked today
Talked to the Dutch Theat Club on
books this noon.

A little miscellaneous work
tonight — very tired.

FRIDAY, SEPTEMBER 2, 1938

245th
Day

120 Days
to come

Shaw worked today.

Called at the zoo early in the
morning.

Little work tonight — too tired.

SATURDAY, SEPTEMBER 3, 1938

246th
Day

119 Days
to come

Worked all day on the night
collecting paper and made very
satisfactory progress. It is beginning
to look like something
Out to dinner tonight.

SUNDAY, SEPTEMBER 4, 1938

247th
Day

12th Sunday after Trinity

118 Days
to come

Worked all day on the night
collecting paper and continued with
satisfactory progress

Bob Hoard worked on his Lower
California material this morning.

MONDAY, SEPTEMBER 5, 1938

248th
Day

Labor Day

117 Days
to come

This morning I continued work on the desert night collecting paper and finished the first draft of all but the part citing specific experiences and the tabulation of statistics. Finding that the records as compiled in the field trip books did not lend themselves well to assembling these data I decided to go through all the diaries and reedit the desert trips. This is a long hard job but when done will improve the material considerably. Worked the rest of the day and evening on this listing and got as far as August 1933.

Bob Howard worked on his Lower California material this morning.

TUESDAY, SEPTEMBER 6, 1938

249th
Day

116 Days
to come

Bob Hoard worked this morning.

Shaw worked today.

Huey gave me a DoR gopher from Lyons
Peak. gave it to Bilderback.

Worked on accounts tonight

WEDNESDAY, SEPTEMBER 7, 1938

250th
Day

115 Days
to come

Bob Hoard worked this morning.
Went to Hollywood this afternoon
with gg Shorty to see her Boheme at
the Bowl. A clear cool day. Started
at 3³⁰. 54 miles in San Diego County.
Nothing seen.

THURSDAY, SEPTEMBER 8, 1938

251st
Day

114 Days
to come

Returned from Hollywood this morning starting at 7¹⁵ and arriving at 11⁰⁵. Clear & cool. 54 miles in the country. Nothing seen.

Chas Shaw worked today.

✓ D.D. Brand of the University of New Mexico called today for his 3 specimens of willardii.

Worked tonight tabulating desert trips.

David Regnery made a trip to Borego Dry Lake tonight but got nothing.

Pentecost Canyon	63°	80°
The Narrows		84°
Ocotillo		92°

✓
FRIDAY, SEPTEMBER 9, 1938

252nd
Day

Admission Day (Calif. 1850)

113 Days
to come

Recd from Perkins a large
dried worm snake from Cottonwood.
Will not be saved

Hoard worked in the morning. Shaw
worked all day.

Called at the Zoo today and got a
number of good specimens including
Bufo canorus from Mt. Dana.

Went to the Reptile Club tonight.
Much interesting discussion. Bob Hoard
showed movies of his Lower California trip.
Regnery said that in the recent fire
below Julian he had followed the fire
lines for five hours and no snakes came
out. It was in good country. No burned
snakes were seen in the burned area
later.

Got a copy of Perkins SD Co Snake
Paper today

SATURDAY, SEPTEMBER 10, 1938

253rd
Day

112 Days
to come

Howard worked in the morning.
Talked over his prospective work with
him at some length.

Shaw worked all day.

Spent the morning on the omitemanus
note and finished the first draft.

Then continued assembling the desert
trip data.

Jim Devel worked on worm snakes
this afternoon.

Noted a small DOR ^{ring neck.} ~~worm~~ snake on
our own driveway today.

Movie tonight.

Recd a large Pacific Rattlesnake from
Oceanside crew today.

SUNDAY, SEPTEMBER 11, 1938

254th
Day

13th Sunday after Trinity

111 Days
to come

Deuel and Shaw worked today;
Deuel on worm snakes, Shaw counting
rattlers.

I worked all day and evening,
mostly transcribing the desert field
notes. Did a little work on worm
snakes.

MONDAY, SEPTEMBER 12, 1938

255th
Day

Old Defenders Day (Baltimore, Md.)

110 Days
to come

Worked awhile on the desert trip records tonight. Now finished up to the current year.

(Sept. 15, Continued)

84°. Not yet sunset. 5²⁰

Sunset near Lancaster 5⁴⁵, 83°

Drove from Lancaster to Mohave in dusk, arriving at Mohave at 6³⁰; much of the road being oiled. Drove fast. Don't count this as part of evening drive.

Started east from Mohave on the real evening drive at 6⁴⁰, almost dark, no moon, almost no breeze, 80°.

7 P.M. 5 mi. E. of Mohave. 80°. ~~Alm~~ Dark. Very slight breeze. Black pavement distinctly warmer to the palm of the hand than the earth on the side of the road.

1 Arizona S (not J) DOR 5 mi. N. of Muro 87²⁵

Kern Co., Squiering. 79°. Warm, no wind.

1 longnose J COR, Rich, Kern Co, 7⁵⁵, 77°.

Very slight breeze; pavement a little warmer than sand.

1 Scute J.COR, Rich, Kern Co, 7⁵⁹, 76°

Mild breeze.

3 live, 1 dead mouse so far. Not many mammals tonight.

1 Med Scute COR, Amargo, Kern Co 8¹³, 76°

(Continued on Sept. 13).

TUESDAY, SEPTEMBER 13, 1938

256th
Day

109 Days
to come

Deuel worked on Worn Snakes today.
Went to movie tonight.

(Sept 15 Continued from Sept. 12)

This one acted queerly; thought it was
hurt but evidently not.

1 Arizona J DOR Amargo, Kern Co, saved. 81°

1 Scute L DOR 2 mi. W. of Kramer. 82°

Reached Kramer Junction and turned south
at 83° , 75° . No wind; no moon.

9 P.M. 9 mi. S. of Kramer Jct. 73° Road
under
repairs

93° 4 mi. N. of Adelanto 67°

Adelanto at 94° 67°

Junction with 66 at 10° 65° . little
breeze. $1/2$ moon just coming into view.

Reached San Bernardino at 104° , 70° .

Evening drive Mohave to Jct. with 66
77 miles. Total miles today 264.

WEDNESDAY, SEPTEMBER 14, 1938

257th
Day

Star Spangled Banner
Music Composed 1770-1775
Words Composed Sept. 14, 1814

108 Days
to come

Started for Santa Barbara today alone. Clear and warm. beginning of a hot spell. Started at 10⁴⁰. Went via the Coast road.

Stopped to see Mrs. Atsatt at UCLA for a few moments. She said she was very busy with new students. She told me chicks get darker as they get warmer. Cowles wasn't there - was in La Jolla.

There was a hot wind along the cliffs north of Santa Monica. Surprising so close to the ocean.

1 Banded Racer L DOR Del mar Brush.

1 Gopher very large DOR Bixby Slough
LA Co Grass

1 Banded Racer M DOR Pinta, Ventura
Co; Brush - sea beach.

Reached Santa Barbara at 5³⁰.
Warm and sultry.

Miles in SD Co 53

Total miles. 215.

THURSDAY, SEPTEMBER 15, 1938

258th
Day

107 Days
to come

At the Gas Assn Convention in Santa Barbara in the morning.

Started south at 1³⁰ - warm and sultry. Went via Ventura, Santa Paula, Fillmore and Pirin to Castaic Junction then up the new Ridge Route to Gorman thence to Lancaster North to Mohave, east to Kramer Junction, South via 395 to Adelanto, Cajon Pass and San Bernardino.

The south side of the Antelope valley looks poor in the daytime all the way from Quail Lake to a point 6 mi. W. of Lancaster. Except for the Joshua forest between Fairmont and Menach it is all stubbles fields, grazing land, and a dead pear orchard. No good brush. Would certainly be a waste of time to work this at night. Looks good between Lancaster and Mohave but too much travel.

1 Scute MDOR 7 mi. W. of Fairmont,
Dead Orchard and Grass.

Hunted for a short while to kill time in the joshuas 6 mi. W. of Fairmont and got a couple of *X. vigilis* under dead stems. They seemed to be quite plentiful -
(Continued on Sept. 12)

FRIDAY, SEPTEMBER 16, 1938

259th
Day

106 Days
to come

Started for home from San Bernardino at 6³⁵; clear and cool.

Orcutt's out at 7¹⁵ bet. Rivers + Elsinore lost a juvenile snake here; either a red racer or gopher.

1 Arizona J DOR Bonsall grass - brush.

1 Oregon L DOR Vesta Fields

1 Cal King J DOR " "

1 Gopher L DOR San Marcos Brush - fields

1 Boyles K J DOR Poway Grass

Arrived home at 10 AM. Clear and warm. Miles in SD Co 65; total today 124.

Called at the zoo at noon and got No. 2. Brood of King's snakes. Met Cowles.

Had a chat with Cowles 5¹⁰ to 5⁰⁰. Told him of my prospective papers. They evidently will not conflict with his.

Carr sent 3 rattlers but they must be returned.

✓
SATURDAY, SEPTEMBER 17, 1938

260th
Day

U. S. Constitution Adopted 1787

105 Days
to come

Noted this morning very young
scute rattling and making fine fighting
pose. Young Boyles King hatched in
captivity did the same. Rattled violently.
Worked all day entering the night
trays into special sheets preparatory
to tabulating (except Chas. Shaws)
A big job involving 52 sheets.

SUNDAY, SEPTEMBER 18, 1938

251st
Day

14th Sunday after Trinity

104 Days
to come

Worked on statistics of all kinds
necessary for the night collecting paper.
Also wrote a few paragraphs on items
lately thought of as additions.
Phaw worked today.

MONDAY, SEPTEMBER 19, 1938

262nd
Day

103 Days
to come

People in to dinner tonight. Checked

Some Poros

Sept 21 cont.

may have lost another ita or 2. They
are hard to see.

Reached home at 10⁴⁵. Total miles
192. Miles in S.D. Co. daylight drive 93.
Miles evening desert hunting drive (to Banner)
28 miles; Bonego trip 24 miles

TUESDAY, SEPTEMBER 20, 1938

263rd
Day

102 Days
to come

Revising and coordinating the night-hunting paper tonight. Some progress made.

Went out to El Cajon Rotary today. 20 miles. Nothing seen. Won a flashlight. Hot.

WEDNESDAY, SEPTEMBER 21, 1938

264th
Day

St. Matthew
Ember Day

101 Days
to come

This afternoon at 3 o'clock started for the desert with Gaudel to check the vegetation on the Borego road. It was hot and sultry after several days of this character.

1 Small red roses DOZ Shady Dell Trees. Brush
arrived at Julian at 4⁴⁵; and at
Deserts Crossing at 5²⁰. From here
on we made notes on vegetation.

We ate supper at the County line
it being then almost dark. No wind.
No moon. 6¹⁴; 80°. Plants here are
smaller and more scattered than further
back, thus accounting for change in
snakes. Air temperature and sand temp. 85°
Pavement somewhat warmer.

Started west driving slowly at 6⁴². 85°
1 Uta stans COR 6 mi. E. of the Narrows. 71.5°
Rather strong breeze in the Narrows. 74²; 85°
1 Uta stans LOR Foot of Sentenac 80°; 81°.
Sentenac Bridge 81⁵, 78°. Quiet and dark
Deserts Crossing 82°; 73° slight breeze.
July. 3 mammals so far, from the County
line — 1 mouse, & rats (1 DOZ). From
here on to Banner they were quite thick.
1 Arvicola J COR 2 mi. E. of Banner 83°; 74° Breeze
1 Boyles K J COR Banner 83³, 76°.
(Continued on Sept. 19)

THURSDAY, SEPTEMBER 22, 1938

265th
Day

100 Days
to come

A little work tonight. Chapman
Came around for references.

FRIDAY, SEPTEMBER 23, 1938

266th
Day

1st Day of Autumn—Ember Day

99 Days
to come

Went to the Zoo at noon and got
specimens.

Worked tonight on the 16 year COR
record to determine the day and night
specimens, and thus the ratio of diurnal
and nocturnal activity.

Chapman called

SATURDAY, SEPTEMBER 24, 1938

267th
Day

Ember Day

98 Days
to come

Spent the entire day working on the desert-night collecting paper. Made headway. Finished tabulating all CORs. Chas. Shaw work part of the day.

J. Devels desert trip of Sept 23-25.

Sept. 23^d

1 Red Racer J Santee DOR

1 Gopher J DOR Foster DOR

Reached Anterac at 7⁴⁰ 86° slight breeze.

1 Phyllor COR 2 mi. E. of Bensons 8⁰⁶ 87°

1 Arizona J DOR 1 mi. W of "

44 miles of desert night driving

✓ Coleonyx COR 1 squashed

1 Phyllodactylus COR Anterac Bridge 8:35 86°

Sept. 24th

7 P.M. 87° windy. Start from Bensons.

1 Desert Gopher COR 3 mi. W. of Bensons 86° 80°

1 Phyllodactylus COR Anterac Bridge 8⁴⁵, 86°
63 miles.

Sept. 25

at 8³⁰ AM caught a Boyles King at foot of Bonny Mt. eating a sidewinder. Had the head down. extricated him and he was OK.

off road.

1 Gopher L DOR Banner.

SUNDAY, SEPTEMBER 25, 1938

268th
Day

15th Sunday after Trinity

97 Days
to come

Spent all day on the night
collecting paper, reversing, and
rearranging. As usual it takes
much longer than was expected.

MONDAY, SEPTEMBER 26, 1938

269th
Day

Jewish New Year

96 Days
to come

Company for dinner tonight.

TUESDAY, SEPTEMBER 27, 1938

270th
Day

Jewish New Year

95 Days
to come

Called at the zoo this noon
but Perkins was out. Got 2
broods of King snakes.

Deuel worked on worm snakes
today. Evidently myopica is a
valid species or subspecies.

Did a little work tonight.
The Rhinocheilus from Sonora looks
like a good subspecies.

Perkins trip of today.

1 Red Racer DOR Fernbrook or Shady Dell

1 Gopher J DOR " " "

Cold and cloudy 79° 5° at Top Pentenac

1 Gecko COR 4 mi. W. of Narrows 6° 86° F

1 " " The Narrows 7° 91°

1 Sonora DOR 4 mi. W. Bensons

1 Baby Leafnose COR do 7° 92°

90° at Bensons at 8 o'clock.

1 Gecko COR 3 mi W of Bensons 8° 92°

1 Sonora COR 5 " E " The Narrows 8° 92°

1 Leafnose DOR The Narrows.

1 Gecko EOR 2 mi. W. of Bensons 9° 88°

1 Crested COR 4 " E " The Narrows 9° 88°

1 Dip COR 2 " " " " " 9° 88°

85° at Pentenac at 10° ; 76° at Scissors.

Reached Scissors at 10° . miles evening drive
70.

✓
WEDNESDAY, SEPTEMBER 28, 1938

271st
Day

94 Days
to come

A little work done on the night
collecting paper tonight ; not much — too
much was excitement.

THURSDAY, SEPTEMBER 29, 1938

272nd
Day

St. Michael and All Angels

93 Days
to come

labor conference today and the
European Settlement. I am a
wreck.

Jim Deuel worked today on
worm snakes and Rhinocheilus.

FRIDAY, SEPTEMBER 30, 1938

273rd
Day

92 Days
to come

more labor conferences today.
Tired tonight. Went to a movie.

SATURDAY, OCTOBER 1, 1938

274th
Day

Missouri Day (Mo.)

91 Days
to come

Went to the Natural History Museum
and the zoo in the morning.
Spent the entire day and evening
on miscellaneous routine work; especially
bringing up to date the species catalog.
I have worked today.

SUNDAY, OCTOBER 2, 1938

275th
Day

16th Sunday after Trinity

90 Days
to come

Spent the morning on worm snakes.
Discovered that LMR 28839 from 2
mi. E. of Pentecost Bridge has supracaudales.
Here's a problem:— is it a freak or a
new species?

Out to lunch — then back to work
at 4.

Also worked on multimanus.

Shaw worked this afternoon.

Looked over Rhinocheilus; looks like
some possible subspecies.

MONDAY, OCTOBER 3, 1938

276th
Day

89 Days
to come

Out to dinner.

Cliff May killed a large mule
in Agua Tibia Mt. yesterday. Also
Warren in the same place - saw the
skin.

TUESDAY, OCTOBER 4, 1938

277th
Day

St. Francis of Assisi

88 Days
to come

Out to dinner tonight. Writing
letters for worm snakes.

WEDNESDAY, OCTOBER 5, 1938

278th
Day

Jewish Day of Atonement

87 Days
to come

A little miscellaneous work
tonight - too tired for much.

Shipped 2 skunks to Taylor and
got venoms ready for Mittleman.

Went to Chula Vista in the morning

1 Cal King's L DOR Otay in same cut. grass
15 miles

THURSDAY, OCTOBER 6, 1938

279th
Day

86 Days
to come

Worked on the tabulations of
Phyllorhynchus tonight.

FRIDAY, OCTOBER 7, 1938

280th
Day

85 Days
to come

Went to a movie tonight ; company
in to dinner. To the zoo at noon.

✓ SATURDAY, OCTOBER 8, 1938

281st
Day

84 Days
to come

Spent the morning on the night collecting paper — particularly the lizards.

I have worked today, from late in the morning until 4 P.M. Deuel worked in the afternoon.

Spent the afternoon and evening on snake statistics for this paper.

SUNDAY, OCTOBER 9, 1938

282nd
Day

17th Sunday after Trinity

83 Days
to come

Worked on tabulations for
the night collecting trips all
morning

Went to Corte Madera at 3 P.M.
returning late at night. A
clear cool day. 49 daylight
miles.

1 Gopher	J DOR	Fleming Spr.	Grass
1 Striped R	L DOR	" "	Brush.
1 Gopher	J DOR	Alpine	Grass

MONDAY, OCTOBER 10, 1938

283rd
Day

32 Days
to come

This morning started for Los Angeles at 7⁰⁵ with gg. Clear and cool. Nothing seen. Arrived at 9⁵⁵. 53 miles in San Diego County.

Returned late in the afternoon and evening.

1 gopher J. DOR Newport ~~L.A.~~ Orange Co fields.

No travel in S.D.Co in daylight.

Went out to the L.A. museum and saw Hill for an hour and a half in the afternoon.

Noted a L.r. gracia from Bonanza Mine near Essex San Bernardino Co.

CH. Dammers 4-11-36 No. Cat. number.

A good specimen although somewhat faded. Narrow even light stripes 2 scales wide; mid dorsal dark stripe 6 rows wide.

Also a Cal. King No. 802 L.A. City. Mottled. A badly broken mid dorsal line sometimes lengthwise, sometimes crosswise, sometimes spots. Parallel light lines low down in the sides somewhat like nitida. Brown color not so dark.

TUESDAY, OCTOBER 11, 1938

284th
Day

81 Days
to come

Cook left me two small San Diegan
gophers from San Diego, ^{and mission gorge} this morning.
Worked a little on Arizona tonight

WEDNESDAY, OCTOBER 12, 1938

285th
Day

Columbus Discovered America 1492

80 Days
to come

Too tired to do any work tonight.

THURSDAY, OCTOBER 13, 1938

286th
Day

79 Days
to come

Jim Deuel worked on worm
snakes this afternoon.

Worked a little on worm snakes
tonight.

FRIDAY, OCTOBER 14, 1938

287th
Day

78 Days
to come

Company tonight nothing done.

SATURDAY, OCTOBER 15, 1938

288th
Day

77 Days
to come

Chas. Shaw worked today, picking broods and making scale counts on Phyllophrynus.

I spent the entire day from early morning until after 10 tabulating statistics for the night collecting paper. Made good progress but there is much still to be done. Think it best to prepare all the tables before starting to write up any of them. The paper up to the tables and their discussion is practically finished - about 75 typewritten pages.

✓
SUNDAY, OCTOBER 16, 1938

289th
Day

18th Sunday after Trinity
U. S. Mint Established 1786

76 Days
to come

Bob Hoard called today and got specimens.

Shaw and Bevel worked today.

Did a little miscellaneous checking.
The rest of the day and evening spent tabulating tables for the collecting paper.

MONDAY, OCTOBER 17, 1938

290th
Day

75 Days
to come

Meeting of Reptile Club tonight -
talk on raising Spade foot toads in
captivity

localities from gander

Oct. 5. 1 med gopher COR alpine brush.

Oct 11 Juw. gopher COR in school yard.

at → P.M. De Luz

Oct 11 Juw gopher COR $3\frac{1}{2}$ mi. N of
Fullbrook on De Luz Road.

TUESDAY, OCTOBER 18, 1938

291st
Day

St. Luke

74 Days
to come

Went to El Cajon Rotary Club Today.
20 miles. Nothing seen.

Worked on the synonymy of the Worm
Snakes tonight.

Jim worked on Oklahoma worm
snakes today.

WEDNESDAY, OCTOBER 19, 1938

292nd
Day

73 Days
to come

Movie tonight.

THURSDAY, OCTOBER 20, 1938

293rd
Day

72 Days
to come

Went to Los Angeles today on business. Drove up with the Rabers at 7³⁰; returned on the streamliner at 11. Jim worked on Salvadora today

FRIDAY, OCTOBER 21, 1938

294th
Day

71 Days
to come

Went to a Bancroft - Franklin rally
tonight

Perkins reports sidewinders
trying to mate at the zoo yesterday.

Locality records picked up from
Zoo cards this year

C. m. pyrrhus Mecca.

C. cinereus Brawley

E. skiltonianus (blue tail) Del Mar.

~~Bevel~~ *C. v. oregonus* Rosanta Beach B.C.

M. f. frater 3 mi. N. of Rosanta Beach

L. californiae do.

M. piceus 2 " " " "

C. v. o. " El Descanso

C. ruber Halfway Cafe.

T. o. hammondi La Misión

" 1/2 mi. N. of Ensenada

C. v. oregonus Halfway Cafe.

SATURDAY, OCTOBER 22, 1938

295th
Day

70 Days
to come

Spent the day and late into the evening getting data together for Chicago trip and making annual list of S.D. Co snakes for the census.

Shaw worked today putting away material and pickling Jackson rattlers

SUNDAY, OCTOBER 23, 1938

296th
Day

19th Sunday after Trinity

69 Days
to come

Spent the entire day on the annual census and got the tabulation in its primary form down to date.

Shaw worked today putting away material. Refilled the large jars with ~~salt~~ alcohol. Pickled Tockley material.

Got a lot of material ready to take to Chicago and arranged and organized it.

MONDAY, OCTOBER 24, 1938

297th
Day

68 Days
to come

Getting ready for Chicago's trip.
Company tonight.

TUESDAY, OCTOBER 25, 1938

298th
Day

67 Days
to come

Went to El Cajon Rotary today. 20
miles - blank.

Jim worked on worm snakes
today.

I worked on them tonight. Not
yet sure that humilis and dulcis -
myopica in Arizona are the same
thing.

WEDNESDAY, OCTOBER 26, 1938

299th
Day

66 Days
to come

Getting ready for the trip to Chicago
today. Recd USNM warm snakes.
Movie tonight.

THURSDAY, OCTOBER 27, 1938

300th
Day

Theodore Roosevelt—Born 1858

65 Days
to come

Started for Chicago on the Chief this morning at 8. Didn't get much done. Read a lot of material to catch up. Corrected some of the papers lately written.

FRIDAY, OCTOBER 28, 1938

301st
Day

St. Simon and St. Jude

64 Days
to come

Tabulated the annual census,
and made good headway on this.
Visited with Mrs. Griffie in her compartment.

SATURDAY, OCTOBER 29, 1938

302nd
Day

63 Days
to come

Spent the morning on the San Diego County census and practically finished it.

Arrived at Chicago at 1³⁰. Went to see Schmidt at about 2. Talked over various matters, especially ASIAH Committee appointments. Listed the rattlers in the Field Museum collection and was surprised at the number of them. Some from SE are particularly interesting as well as several from Mexico, the most important of which have already been loaned to Gloyd. Also there were 2 fine *Rhinocheilus* from Mexico and a number of interesting worm snakes. Asked that these be sent me. Schmidt had my worm snake and *Rhinocheilus* references laid out. He will copy them for me.

Schmidt told me D+B habitually counted dorsals on worm snakes.

Schmidt and I returned to the hotel about 5 where we met Gloyd and had dinner together. Then we discussed miscellaneous matters until after 11. Especially talked species, nomenclature, who was doing what, etc.

SUNDAY, OCTOBER 30, 1938

303rd
Day

20th Sunday after Trinity

62 Days
to come

This morning I completed the SDCs census table. Studied Taylor's worm snake paper. Did a little work in the night collecting papers.

Gloyd called for me at 10 and we went to the Chicago Academy of Sciences. Here we worked until 6³⁰ P.M. with time out for lunch with Gloyd and Necker.

Looked over the CAS specimens of *Rhinocentulus*, *Phyllorhynchus*, and *Arizona*. Made lists and asked to have other items shipped, particularly *Phyllorhynchus* from vicinity of Wickenburg and some worm snakes out of Blanchard's collection.

Made lists of all rattlers in the CAS collection with Gloyd's assistance. Looked at the T-S, and Field recent rattler acquisitions from Mexico. They are interesting. Gloyd gave me scale counts of most of them. Also of many horridus. Looked over Kauffeldt's unicolor; Gloyd gave me the counts of the pups.

Went to Gloyd's apartment had a late supper and talked herpetology until 10³⁰. Then back to the hotel.

MONDAY, OCTOBER 31, 1938

304th
Day

(Hallowe'en)—Reformation Day

61 Days
to come

Spent the day in the Chicago office on business.

Schmitt called at 8 AM for the papers he had left by mistake on Saturday night. He had read the radiation paper and seemed to think it worth while. We breakfasted together. Gave him the night collecting paper to read.

Spent the evening in my room arranging papers and catching up on reading.

Devels trip to Alaska, B.C., 10-30-38

192 miles. Warm day.

1 P.c. annectens DOR L Dulzura

At Alaska collected or noted.

3 X. henshawi

U. microscutata

U. stansburiana (stejnegeri)

TUESDAY, NOVEMBER 1, 1938

305th
Day

All Saints' Day

60 Days
to come

Spent the day in the Chicago office discussing all kinds of business.

Spent the evening with the Wheelers at dinner - and Vanderlie; College Inn

WEDNESDAY, NOVEMBER 2, 1938

306th
Day

All Souls' Day

59 Days
to come

In Chicago office all day on business.

Had dinner and another bull session with Schmidt, Gloyd, and Necker. Discussed the proposed 10 year index. Also the coming meeting next year in Chicago and whether it should be in May or September. Discussed convention committees and their organization. They left about 11.

THURSDAY, NOVEMBER 3, 1938

307th
Day

58 Days
to come

Called at the office this morning and checked up unfinished items of business. Then went to the Field Museum and counted rattlers until about 3³⁰. Lunched with Schmidt and D.D. Davis. There was a letter from Netting reopening the date of the convention. Saw some fine work by Davis on rattler skulls and fangs. He can clear alcoholic specimens better than fresh. Talked statistics with Davis. Also saw L.H. Walters celluloid snakes and criticized them for them. Looked at Monroe calculators but didn't buy any. Went to dinner and a movie with Laura.

FRIDAY, NOVEMBER 4, 1938

308th
Day

57 Days
to come

Packed until 9. Then went to the office and cleared up the rest of the business. Returned to the hotel at 11 then caught the train at noon. Phoned Gloyd from the station. He said he had a new triseinatus from Mexico. Jacobsen came down to the train.

Spent the afternoon and evening catching up on reading.

SATURDAY, NOVEMBER 5, 1938

309th
Day

56 Days
to come

Enroute home. Did some tabulating.
Also reread the collecting paper and
got some writing done.

SUNDAY, NOVEMBER 6, 1938

310th
Day

21st Sunday after Trinity

55 Days
to come

Did a little more correcting
this morning.

Arrived home at 3³⁰. Spent the
afternoon and evening catching up.

MONDAY, NOVEMBER 7, 1938

311th
Day

54 Days
to come

Spent the evening catching up
and made some headway. Got mail at
the Nat Hist. Museum and Zoo.

TUESDAY, NOVEMBER 8, 1938

312th
Day

Election Day

53 Days
to come

Went to El Cajon Rotary this noon.
25 miles nothing seen. A clear, warm,
dry day.

Spent the evening on accounts
and listening to election returns.

WEDNESDAY, NOVEMBER 9, 1938

313th
Day

52 Days
to come

A little miscellaneous work tonight; too tired to do much.

THURSDAY, NOVEMBER 10, 1938

314th
Day

Martin Luther—Born 1483

51 Days
to come

Worked late this evening on material
secured in Chicago and made good progress.
Also arranging work for Mrs. Leslie.
Jim Deuel worked today.

FRIDAY, NOVEMBER 11, 1938

315th
Day

Armistice Day

50 Days
to come

Spent the entire day entering localities
from the data secured on the Chicago trip;
a slow and tedious process.

I'm worked on Worm snakes.

Localities of specimens sent for identification
from MNA

C. taeniatus taeniatus

Hrises Spring, Wupatki Natl Monument

S.F. Mts, Ariz. Upper Sonoran Grassland

Elev. 5000 ft.

Wupatki Pueblo. Same general locality

T. o. vagrans

Flagstaff.

L. pyromelana

Flagstaff.

P. s. affinis.

Wupatki Pueblo.

Water Lily Canyon, branch of the Dogoszhi

Biko, of the Tsegi Canyons, Navajo Co,

Upper Sonoran Zone, Elev 6700 ft.

SATURDAY, NOVEMBER 12, 1938

316th
Day

49 Days
to come

Worked all day on the night
collecting paper. Made some progress,
but it goes slowly.

Chas. Shaw worked today.

SUNDAY, NOVEMBER 13, 1938

317th
Day

22nd Sunday after Trinity

48 Days
to come

Shaw worked all day on Rhinocheilus
and Deuel on worm snakes.

I worked all day on the night collecting
paper — statistical section. It is now
virtually complete. Next will come the
lizard hunting and field note section.

MONDAY, NOVEMBER 14, 1938

318th
Day

47 Days
to come

Went to Los Angeles on business
this morning, starting at 7. with
Bailey. 54 miles in the country. Nothing
seen. A very cold morning.
Returned in the late evening.

TUESDAY, NOVEMBER 15, 1938

319th
Day

46 Days
to come

Getting ready for San Francisco trip
tonight.

WEDNESDAY, NOVEMBER 16, 1938

320th
Day

45 Days
to come

Started for San Francisco with
gy and Shorty at 2 P.M. A clear
cold day. Nothing seen in the
country. 54 miles

Stopped for the night in Modesto
427 miles. 11²⁰ P.M. Cold

THURSDAY, NOVEMBER 17, 1938

321st
Day

44 Days
to come

Drove from Modesto to San Francisco.
Called on Chickering.

FRIDAY, NOVEMBER 18, 1938

322nd
Day

43 Days
to come

Business in San Francisco
all day.

SATURDAY, NOVEMBER 19, 1938

323rd
Day

42 Days
to come

Railroad Commission Business in
the morning. Football game in the
afternoon

SUNDAY, NOVEMBER 20, 1938

324th
Day

Sunday next before Advent

41 Days
to come

Drove home today. A fine cool day. Started from Elsie's at 9 and arrived at 11³⁰. 525 miles by my speedometer. Stopped for supper at Pasadena.

MONDAY, NOVEMBER 21, 1938

325th
Day

Presentation B. V. Mary

40 Days
to come

Worked hard catching up today.

Worked on collecting paper tonight,
checking parts and tables copied
while I was away.

Recd from Benedict a small gopher
caught at La Mesa.

TUESDAY, NOVEMBER 22, 1938

326th
Day

39 Days
to come

El Ceyin Rotary Club this noon.
25 miles. Nothing seen.

Jim Deuel worked on worm
snakes today. He and Chas. Shaw
caught X. henshawi, P. tuberculosis,
and S. okeanus at junction of Collins
Creek and Coyote Canyon, head of Borrego
Valley.

Philharmonic tonight.

WEDNESDAY, NOVEMBER 23, 1938

327th
Day

38 Days
to come

Miscellaneous catching up tonight.

THURSDAY, NOVEMBER 24, 1938

✓ 328th
Day

Thanksgiving Day

37 Days
to come

Worked all morning on the night collecting paper and made good headway revising and smoothing; particularly the discussions of the statistical part. More of the same remains to be done.

Dinner is at lunch and evening took all the rest of the day.

FRIDAY, NOVEMBER 25, 1938

✓ 329th
Day

36 Days
to come

Chas. Shaw worked today.

Worked a little tonight on the collecting
papers; not long — too tired.

SATURDAY, NOVEMBER 26, 1938

330th
Day

35 Days
to come

Bob Hoard called this morning to discuss *Chilomeniscus*.

Chas. Shaw worked all day. Started identifying and tagging the Pemberton and Perkins Mexican collections.

Went to the zoo and Natural History Museum this morning. Mrs. Benchley reiterated her intention to publish the collecting paper.

Worked on miscellaneous work - also on the collecting paper all day and made some good progress. Listened to the Stanford - Dartmouth game this afternoon. Out to help for dinner.

SUNDAY, NOVEMBER 27, 1938

331st
Day

1st Sunday in Advent

34 Days
to come

Spent the entire day on the collecting and radiation papers. They are now really complete, except for the 1938 additions to the tables. Will now start on the lizard field note paper.

Chas. Shaw worked today tagging and identifying Pemberton and Perkins material.

MONDAY, NOVEMBER 28, 1938

332nd
Day

First Post Office in New York 1783

33 Days
to come

Worked a little on worm snake
records tonight.

TUESDAY, NOVEMBER 29, 1938

333rd
Day

32 Days
to come

Deuel worked today counting worm
snakes
movie tonight.

WEDNESDAY, NOVEMBER 30, 1938

334th
Day

St. Andrew

31 Days
to come

Shaw worked today.
Wiggins 45 Anniversary dinner
tonight.

THURSDAY, DECEMBER 1, 1938

✓ 335th
Day

30 Days
to come

Deuel worked on worm snakes today.

Miscellaneous work tonight -
getting ready for talk at Riverside
tomorrow.

FRIDAY, DECEMBER 2, 1938

✓ 336th
Day

Monroe Doctrine Declared 1823

29 Days
to come

Went to Riverside this afternoon with Hitch and Dell to make a speech at a PECA meeting. Started at 2¹⁵ and arrived at 5²⁰. Clear and cool. Nothing seen.

Returned 9³⁰ to 12⁴⁵. Cold. Dell driving.

SATURDAY, DECEMBER 3, 1938

337th
Day

St. Francis Xavier

28 Days
to come

Worked all day on miscellaneous. Spent quite a while tabulating lizard field notes out of this diary for Part III of the Collecting pages.
Out to dinner tonight.

SUNDAY, DECEMBER 4, 1938

✓ 338th
Day

2nd Sunday in Advent

27 Days
to come

Too tired to do well on the lizard field notes this morning.

Got in some good licks on the worm snakes this afternoon and evening. Checked colors on specimens and made entries in the large final sheets. Finally decided there is a real difference between the dulcis and albifrons groups. Not only a matter of color but the supraoculars are much larger in the latter — come closer to the eye.

MONDAY, DECEMBER 5, 1938

▼ 339th
Day

26 Days
to come

People in to dinner tonight.

TUESDAY, DECEMBER 6, 1938

340th
Day

25 Days
to come

Concert tonight.

WEDNESDAY, DECEMBER 7, 1938

341st
Day

24 Days
to come

Spent the noon hour with Perkins getting his criticisms of the collecting paper. Got about half through.

Accounts tonight.

Artran called today to discuss his proposed new book. He stayed in the library about an hour and took 6 books with him.

THURSDAY, DECEMBER 8, 1938

342nd
Day

Immaculate Conception

23 Days
to come

Today went to N.C. and Chula Vista
30 miles nothing seen a very hot
day.

FRIDAY, DECEMBER 9, 1938

343rd
Day

22 Days
to come

Today drove out to Tamacha, Dehesa, Glen Lonely, Tapatul, Terrinito's and home by way of the highway. A hot day following 3 hot days. 78 miles. Nothing seen. Not a lizard.

Talked the collecting paper with Perkins today and got the last of his criticisms.

A little work on lizard field notes tonight.

SATURDAY, DECEMBER 10, 1938

✓ 344th
Day

21 Days
to come

Got in some good ticks on the
hybrid section of the paper today. Finish
the Boulder Dam part and got started on
the species notes.

Chas. Shaw worked today.

SUNDAY, DECEMBER 11, 1938

345th
Day

3rd Sunday in Advent

20 Days
to come

Read parts 1 and 2 once more and made a few additional corrections.

Worked all day on lizard field notes; made good headway but finally got tired out. Then switched to American worm snake references and got these all lined up in good shape for future work.

Chas Shaw worked today. Checked 3 worm snakes by the new schedule and found it works well. Found a couple in which the supraoculars touch the anterior supralabials.

MONDAY, DECEMBER 12, 1938

346th
Day

19 Days
to come

Went to La Jolla this evening to
the Fellows meeting with Chapman Grant.

TUESDAY, DECEMBER 13, 1938

✓ 347th
Day

18 Days
to come

Went to Escondido Rotary club for lunch today. Out by way of Del Mar and Santa Fe Ranch; returned by regular road. Started at 10⁴⁵; back at 1⁴⁵. A clear warm day. 71 miles nothing seen.

Jim worked today.

Worked on worm snake characteristics this evening.

WEDNESDAY, DECEMBER 14, 1938

348th
Day

Ember Day

17 Days
to come

Out to dinner tonight.

THURSDAY, DECEMBER 15, 1938

349th
Day

16 Days
to come

Spent the evening on a Death Valley
list for Jos. Dixon.

FRIDAY, DECEMBER 16, 1938

350th
Day

Ember Day

15 Days
to come

Conferred with Perkins at the Zoo
on the collecting paper at noon.
Movie tonight

SATURDAY, DECEMBER 17, 1938

351st
Day

Ember Day

14 Days
to come

Started the day with miscellaneous catching up; then hit the hybrid field notes and got in some really good ticks.

Shaw worked today still classifying the Mexican collections.

Out to dinner tonight.

SUNDAY, DECEMBER 18, 1938

352nd
Day

4th Sunday in Advent

13 Days
to come

Chas. worked today.

I worked all evening on the
lyrid notes and finally completed
them; at least the first draft.

MONDAY, DECEMBER 19, 1938

353rd
Day

12 Days
to come

Went to Reptile Club meeting tonight.
Election of officers

TUESDAY, DECEMBER 20, 1938

354th
Day

11 Days
to come

Shaw worked today.

Did some work tonight preparing
bibliofilm orders for the worm snake
items not in my library.

WEDNESDAY, DECEMBER 21, 1938

355th
Day

St. Thomas
Pilgrims Landed Plymouth Rock 1620

10 Days
to come

Philip returned from his European trip today.

Chas. worked on Counting Paterns.

Looked over the fang section of the statistical study with the idea of reversing this next. It looks as if it could be worked over in a relatively short time - 2 or 3 months. The temptation is considerable to describe some new subspecies in Arizona, *Rhinocichlus*, *Phyllorhynchus* etc, but the rattles series ought to be issued from time to time.

THURSDAY, DECEMBER 22, 1938

356th
Day

First Day of Winter

9 Days
to come

Today went out to El Cajon, Paradise Valley, Chula Vista, National City. A cold day after many days of heavy rain. 50 miles. Nothing seen.

Chas Shaw worked today.

FRIDAY, DECEMBER 23, 1938

357th
Day

8 Days
to come

Chas. Shaw worked today.

Miscellaneous filing and catching up tonight.

Started Mrs. Heslie on gang tabulations although she hasn't finished calculation of moments.

SATURDAY, DECEMBER 24, 1938

358th
Day

7 Days
to come

Entered all specimens in the record catalogue to date.

Went over to the NH and Zoo and got final criticisms on the collecting paper from Gander and Perkins.

Started work in a small way on the fang paper.

Chas. Shaw worked today.

SUNDAY, DECEMBER 25, 1938

359th
Day

Christmas Day

6 Days
to come

A little done in the morning —
otherwise parties, dinners, and visits.

MONDAY, DECEMBER 26, 1938

360th
Day

St. Stephen
Washington Crossed Delaware 1776

5 Days
to come

Worked all day on the feng paper
and made first-class progress,
completing a first and revised
draft, down to the statistical part.
This must now be completely revised
including new data, measurements,
and methods.

TUESDAY, DECEMBER 27, 1938

361st
Day

St. John Evangelist

4 Days
to come

Had a conference with Mrs. Benchley.
Showed her the ms. and got a final
OK on taking it to the printer.

Jim Deuel worked today.

Worked on worm snakes tonight
preparing a schedule for the boys
to work on tomorrow.

WEDNESDAY, DECEMBER 28, 1938

362nd
Day

Holy Innocents

3 Days
to come

The collecting manuscript went to the printers today. How long now before it will be issued?

Deuel and Shaw worked today checking typical worm snakes for the second series of characteristics.

THURSDAY, DECEMBER 29, 1938

363rd
Day

2 Days
to come

Worked for awhile tonight on
the fur tables that have been awaiting
the end of the year for completion.

FRIDAY, DECEMBER 30, 1938

364th
Day

1 Day
to come

This noon called at the NH museum and the Zoo. Got some data from Mrs. Leslie Cy told me a USC student told him he had found desert tortoises active at night; one with a moon in mid-July at 8 PM. Another time in mid-August no moon. Both times around rocks at Pite Butte near Honeygutter Butte, L.A. Co.

Did a little work in garage tonight.

SATURDAY, DECEMBER 31, 1938

365th
Day

Spent all day on sexual dimorphism
in fang length and correlation of
H and F. Made good progress but as
usual these long computations go slowly.
At least after the L-H battle last winter
I know how to tackle a problem
of this type.

MEMORANDA

Worked all day on the correlation of L and F, and H and F, Platteville series only. Made good progress but these calculations are certainly time consuming.

MEMORANDA

MEMORANDA

MEMORANDA

JANUARY

FEBRUARY

Date

CASH

Rec'd

Paid

APRIL

MAY

Date

CASH

Rec'd

Paid

JUNE

Date

CASH

Rec'd

Paid

JULY

AUGUST

Date	CASH	Rec'd	Paid
------	------	-------	------

SEPTEMBER

OCTOBER

NOVEMBER

DECEMBER

RECAPITULATION

	Rec'd		Paid	
Cash on Hand Jan. 1st				
January				
February				
March				
April				
May				
June				
July				
August				
September				
October				
November				
December				
Total				
Balance to New Account				

LEGAL HOLIDAYS

Holidays observed in all States

January 1 —New Year's Day
 February 22—Washington's Birthday
 July 4 —Independence Day
 1st Monday in September—Labor Day
 Last Thursday in Nov.—Thanksgiving
 December 25—Christmas

Ala..... Jan. 19, Shrove Tuesday, April 13, April 26, June 3, Oct. 9, Elect. Day, Nov. 11
 Alaska... Feb. 12, March 30, May 30, Oct. 18....
 Ariz..... Feb. 14, May 30, Oct. 12, Election Day, Nov. 11.....
 Ark..... Jan. 19, June 3, Oct. 12, Election Day, Nov. 11.....
 Cal..... Feb. 12, May 30, Sept. 9, Oct. 12, Election Day, Nov. 11.....
 Colo..... Feb. 12, May 30, Aug. 1, Oct. 12, Election Day, Nov. 11.....
 Conn.... Feb. 12, Good Friday, May 30, Oct. 12, Nov. 11.....
 Del..... Feb. 12, Good Friday, May 30, Oct. 12, Election Day.....
 D. C..... May 30.....
 Fla..... Jan. 19, Shrove Tuesday, Good Friday, April 26, June 3, Oct. 12, Election Day, Nov. 11.....
 Ga..... Jan. 19, Feb. 12, April 26, June 3, Election Day, Nov. 11.....
 Hawaii... May 30, June 11, Nov. 11.....
 Idaho.... May 30, June 15, Oct. 15, Election Day, Nov. 11.....
 Ill..... Feb. 12, May 30, Oct. 12, Nov. 11.....
 Ind..... Feb. 12, May 30, Oct. 12, Elect. Day...
 Iowa.... Feb. 12, May 30, Elect. Day, Nov. 11..
 Kan..... Feb. 12, May 30, Oct. 12, Elect. Day...
 Ky..... Jan. 19, Feb. 12, May 10, May 30, Oct. 12, Election Day.....
 La..... Jan. 8, Shrove Tuesday, Good Friday, 3rd Tuesday in April, June 3, Oct. 12, Election Day, Nov. 11.....
 Me..... April 19, May 30, Oct. 12, Elect. Day..
 Md..... March 25, Good Friday, May 30, Sept. 12, Oct. 12, Election Day.....
 Mass.... April 19, May 30, Oct. 12, Nov. 11.....
 Mich.... Feb. 12, May 30, Oct. 12, Elect. Day...

Minn.... Feb. 12, Good Friday, May 30, Election Day, Nov. 11.....
 Miss..... Jan. 19, April 26, June 3, (Oct. 1).....
 Mo..... Feb. 12, May 30, Oct. 12, Election Day, Nov. 11.....
 Mont.... Feb. 12, May 30, Oct. 12, Election Day, Nov. 11.....
 Neb..... Feb. 12, May 30, Oct. 12, Election Day, Nov. 11.....
 Nev..... Feb. 12, May 30, Oct. 12, Oct. 31, Election Day.....
 N. H..... Last Thursday in April, May 30, Oct. 12, Election Day, Nov. 11.....
 N. J..... Feb. 12, Good Friday, May 30, Oct. 12, Election Day, Nov. 11.....
 N. M..... Feb. 12, May 30, Election Day.....
 N. Y..... Feb. 12, May 30, Oct. 12, Election Day
 N. C..... Jan. 19, April 12, May 10, May 20, Election Day, Nov. 11.....
 N. Dak.. Feb. 12, May 30, Oct. 12, Election Day, Nov. 11.....
 Ohio.... Feb. 12, May 30, Oct. 12.....
 Okla.... May 30, Election Day.....
 Ore..... Feb. 12, May 30, Oct. 12, Elect. Day...
 Pa..... Feb. 12, March 4, Good Friday, May 30, Oct. 12, Election Day, Nov. 11.....
 R. I..... May 30, Oct. 12, Elect. Day, Nov. 11..
 S. C..... Jan. 19, June 3, Elect. Day, Dec. 28....
 S. Dak.. Feb. 12, May 30, Elect. Day, Nov. 11..
 Tenn.... Jan. 19, Feb. 12, Good Friday, May 30, June 3, July 13, Election Day, Nov. 11..
 Texas.... March 2, April 21, May 30, June 3, Oct. 12, Election Day, Nov. 11.....
 Utah.... Feb. 12, May 30, July 24, Oct. 12, Election Day.....
 Vt..... May 30, Aug. 16, Oct. 12, Nov. 11.....
 Va..... Jan. 19, May 30, June 3, Election Day, Nov. 11.....
 Wash.... Feb. 12, May 30, Oct. 12, Elect. Day...
 W. Va... Feb. 12, May 30, Oct. 12, Elect. Day...
 Wis..... May 30, Election Day.....
 Wyo.... Feb. 12, May 30, Election Day.....

Holidays in Parenthesis () are not Observed by all the Banks.

Holidays falling on Sunday observed the day after.

Notes and acceptances due on holidays are payable day after except Nevada and Texas, where payable day before.

POSTAGE RATES

Subject to Change; Consult Postmaster

AIR MAIL: 6c. for first oz.
6c. for each additional oz. or fraction.

FIRST CLASS: Written matter and matter sealed against inspection.

LETTERS: 3c an ounce or fraction except for local delivery which is 2c “ “ “
POST CARDS (Private Mailing) 1c. each.
POSTAL CARDS (Government) 1c. each.

SECOND CLASS: Full copies of newspapers, magazines and periodicals. (May be sent Parcel Post if cheaper)

DOMESTIC: 1c. for ea. 2 oz. or fraction.
FOREIGN: 1½c. “ “ “ “ “

THIRD CLASS: Merchandise and printed matter weighing 8 oz. or less.

1½c. for each 2 oz. or fraction.
(Special rate of 1c. for each 2 oz. or fraction for printed books and catalogs of 24 pages or more.)

FOURTH CLASS: (Parcel Post) covers matter weighing over 8 oz. (except 1st and 2nd class). Zone rates apply.

SPECIAL HANDLING provides a means for securing same fast transit and delivery on fourth class parcels as is accorded letter mail.

If ordinary postage stamps are used, packages must be endorsed: “SPECIAL HANDLING”.

Additional Fee
2 lbs. or less 10c.
over 2 lbs. and up to 10 lbs. 15c.
over 10 lbs. 20c.

SPECIAL DELIVERY

FIRST CLASS

Additional Fee
up to 2 lbs. 10c.
over 2 lbs. and up to 10 lbs. 20c.
over 10 lbs. 25c.

OTHER CLASSES (including special handling)

up to 2 lbs. 15c.
over 2 lbs. and up to 10 lbs. 25c.
over 10 lbs. 35c.

If ordinary postage stamps are used, package or letter must be endorsed: “SPECIAL DELIVERY”

REGISTRY MAIL, FIRST CLASS (Sealed)

Indemnity	Fee	Indemnity	Fee
Up to \$ 5.....	15c.	\$300—\$400.....	60c.
\$5—25.....	18c.	400—500.....	70c.
25—50.....	20c.	500—600.....	80c.
50—75.....	25c.	600—700.....	85c.
75—100.....	30c.	700—800.....	90c.
100—200.....	40c.	800—900.....	95c.
200—300.....	50c.	900—1000.....	1.00

Articles not registered full value are surcharged at a special rate according to their value.

INSURANCE (3rd and 4th Class only)

Value	Fee	Value	Fee
Up to \$5.....	5c.	\$50—\$100.....	25c.
5—25.....	10c.	100—150.....	30c.
25—50.....	15c.	150—200.....	35c.

RETURN RECEIPTS: for Insured or Registered Mail Domestic 3c. each. Foreign 5c. each.

COLLECT ON DELIVERY MAIL (Fee includes insurance)

Up to \$5.....	12c.	\$50—\$100.....	32c.
5—25.....	17c.	100—150.....	40c.
25—50.....	22c.	150—200.....	45c.

SEALED PACKAGES

Third and fourth class matter may be closed against inspection when wrapper bears authorized printed indicia. If sealed without indicia, parcels are subject to first class rate.

SIZE OF PARCEL POST PACKAGES

Parcels must not exceed 100 inches in length and girth combined. For parcels measuring more than 84 inches but not more than 100 inches in length and girth combined, the minimum charge shall be the rate for a 10 pound parcel. The maximum weight limit is 70 pounds to all zones.

FEES FOR MONEY ORDERS

Under \$2.50.....	6 cents
Over 2.50 and not over \$5.00.....	8 “
“ 5.00 “ “ “ 10.00.....	11 “
“ 10.00 “ “ “ 20.00.....	13 “
“ 20.00 “ “ “ 40.00.....	15 “
“ 40.00 “ “ “ 60.00.....	18 “
“ 60.00 “ “ “ 80.00.....	20 “
“ 80.00 “ “ “ 100.00.....	22 “

No money order issued for more than \$100.

REFORWARDING

Letters, post cards and other first class mail may be reforwarded without extra postage. Other matter requires a new prepayment of postage.

FOREIGN

Letter postage for all foreign countries in the following list is 3c. per oz.; Argentina, Bolivia, Brazil, Canada, Chile, Columbia, Costa Rica, Cuba, Dominican Republic, Ecuador, Guatemala, Haiti, Honduras, Mexico, Newfoundland, Nicaragua, Panama, Paraguay, Peru, Salvador, Spain and Colonies, Uruguay and Venezuela.

The letter rate to all foreign countries not in the above list is 5c. for the first oz. or fraction, and 3c. for each additional oz. or fraction. This includes the following: Bahamas, Barbados, Bermuda, British Guiana, British Honduras, Cayman Islands, Cook Islands, Europe, New Zealand, Tobago, Trinidad, and Windward Islands.

REGISTRY

For all foreign letters, 15c. in addition to postage. For rates on other classes of foreign mail, inquire at post office.

COUNTING HOUSE

CALENDAR 1939

JAN.

Su.	Mo.	Tu.	We.	Th.	Fr.	Sa.
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

FEB.

Su.	Mo.	Tu.	We.	Th.	Fr.	Sa.
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28				

MAR

Su.	Mo.	Tu.	We.	Th.	Fr.	Sa.
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

APRIL

Su.	Mo.	Tu.	We.	Th.	Fr.	Sa.
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

MAY

Su.	Mo.	Tu.	We.	Th.	Fr.	Sa.
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

JUNE

Su.	Mo.	Tu.	We.	Th.	Fr.	Sa.
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

JULY

Su.	Mo.	Tu.	We.	Th.	Fr.	Sa.
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

AUG.

Su.	Mo.	Tu.	We.	Th.	Fr.	Sa.
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

SEPT.

Su.	Mo.	Tu.	We.	Th.	Fr.	Sa.
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

OCT.

Su.	Mo.	Tu.	We.	Th.	Fr.	Sa.
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

NOV.

Su.	Mo.	Tu.	We.	Th.	Fr.	Sa.
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

DEC.

Su.	Mo.	Tu.	We.	Th.	Fr.	Sa.
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

